

FIG. 1

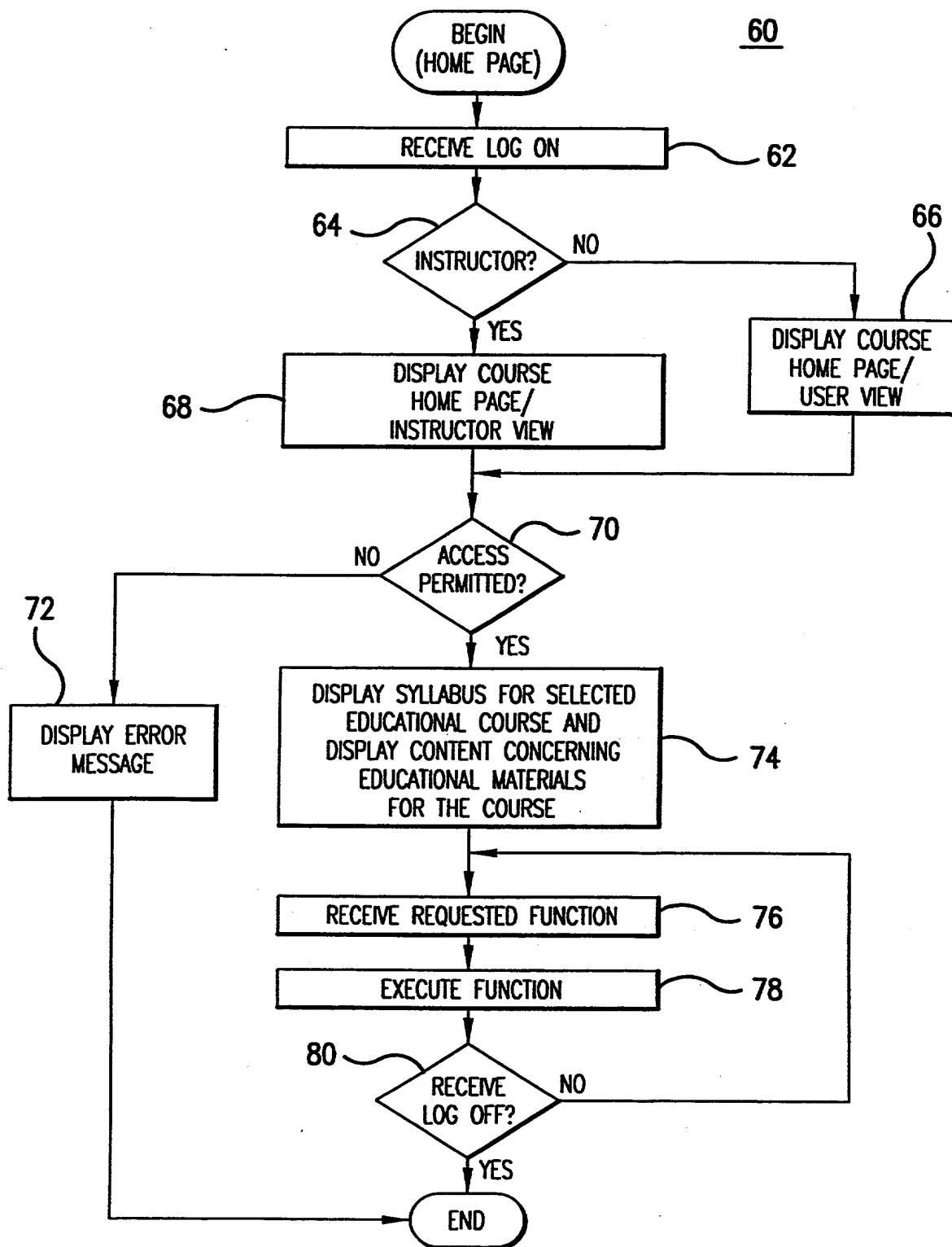


FIG. 1A

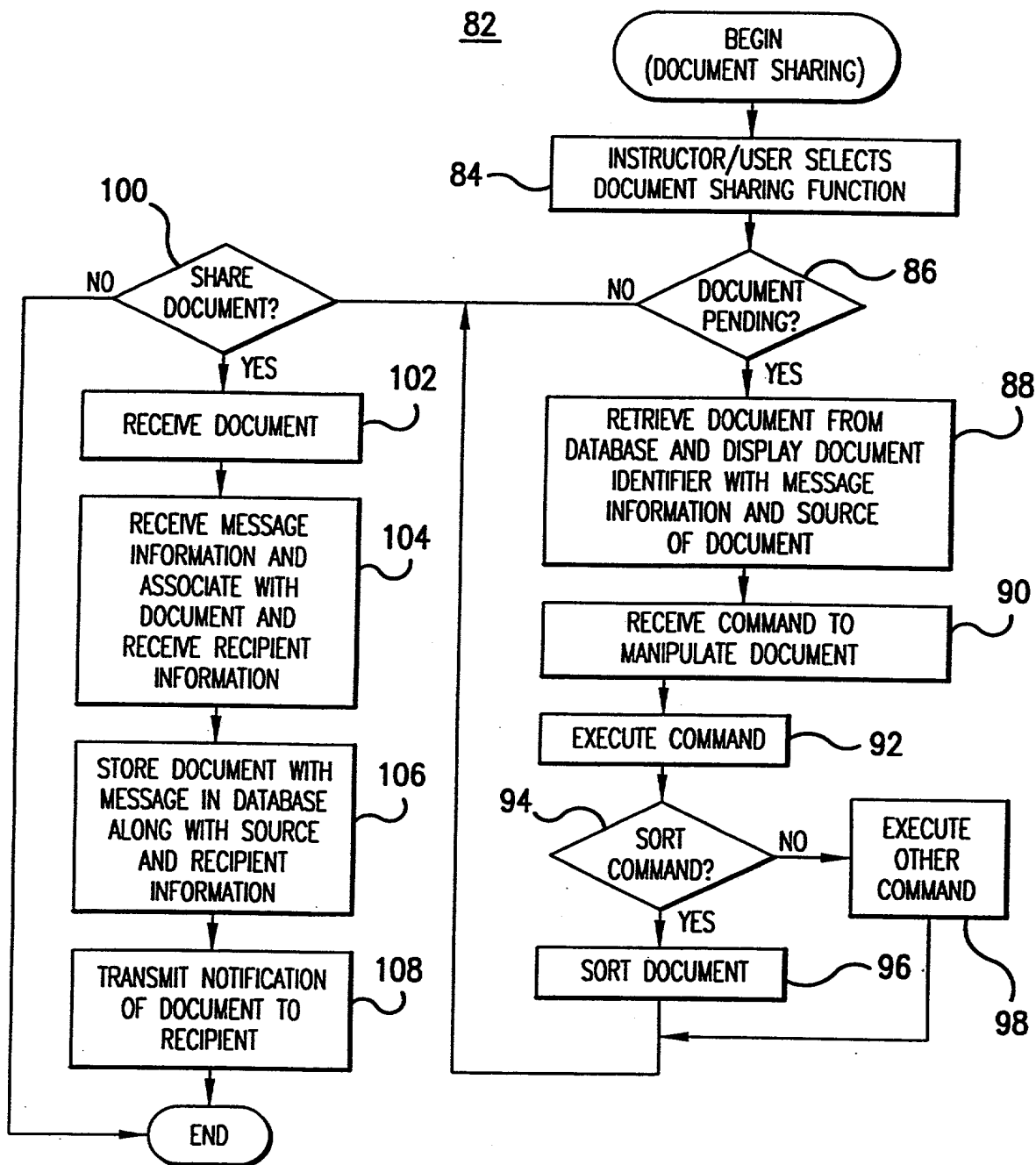


FIG. 1B

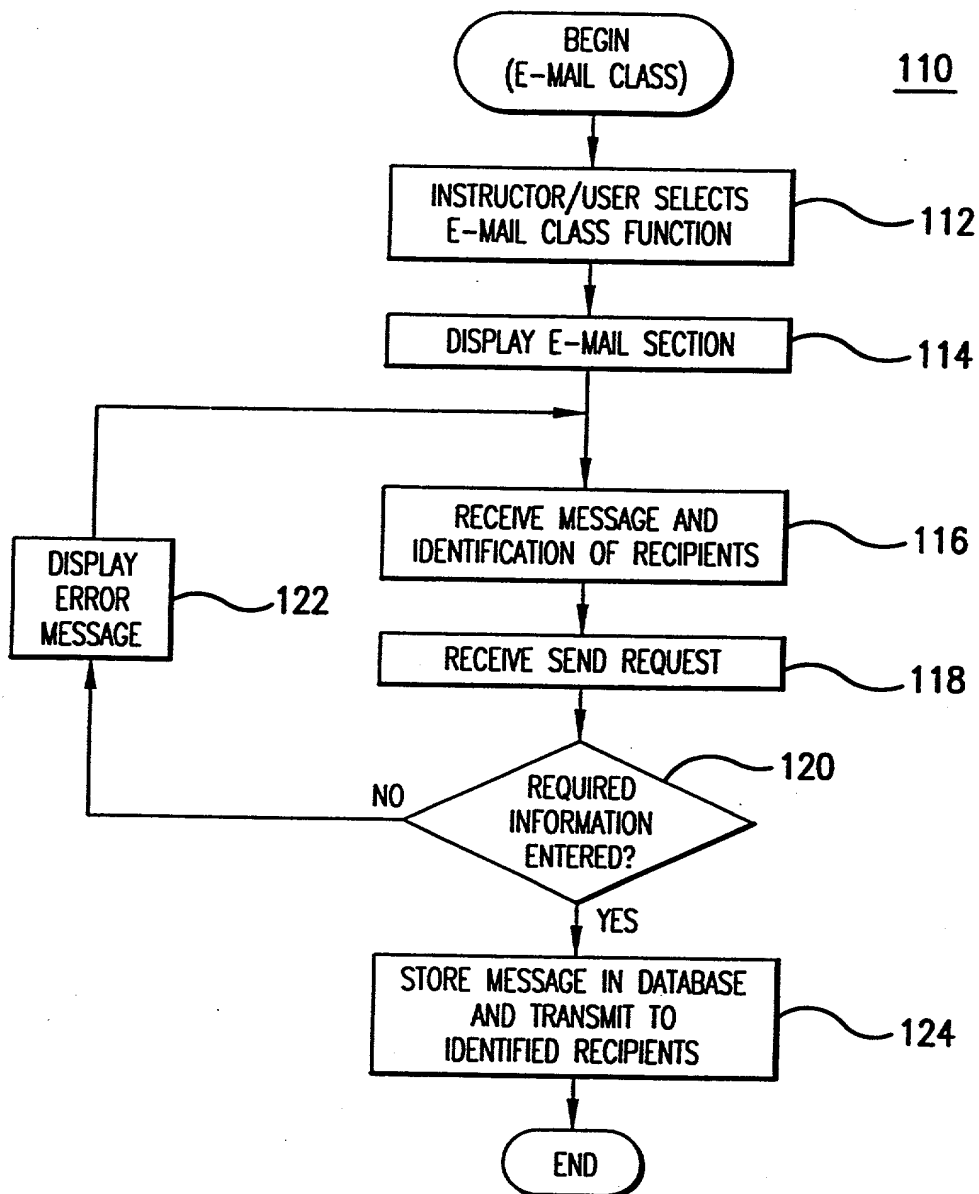


FIG. 1C

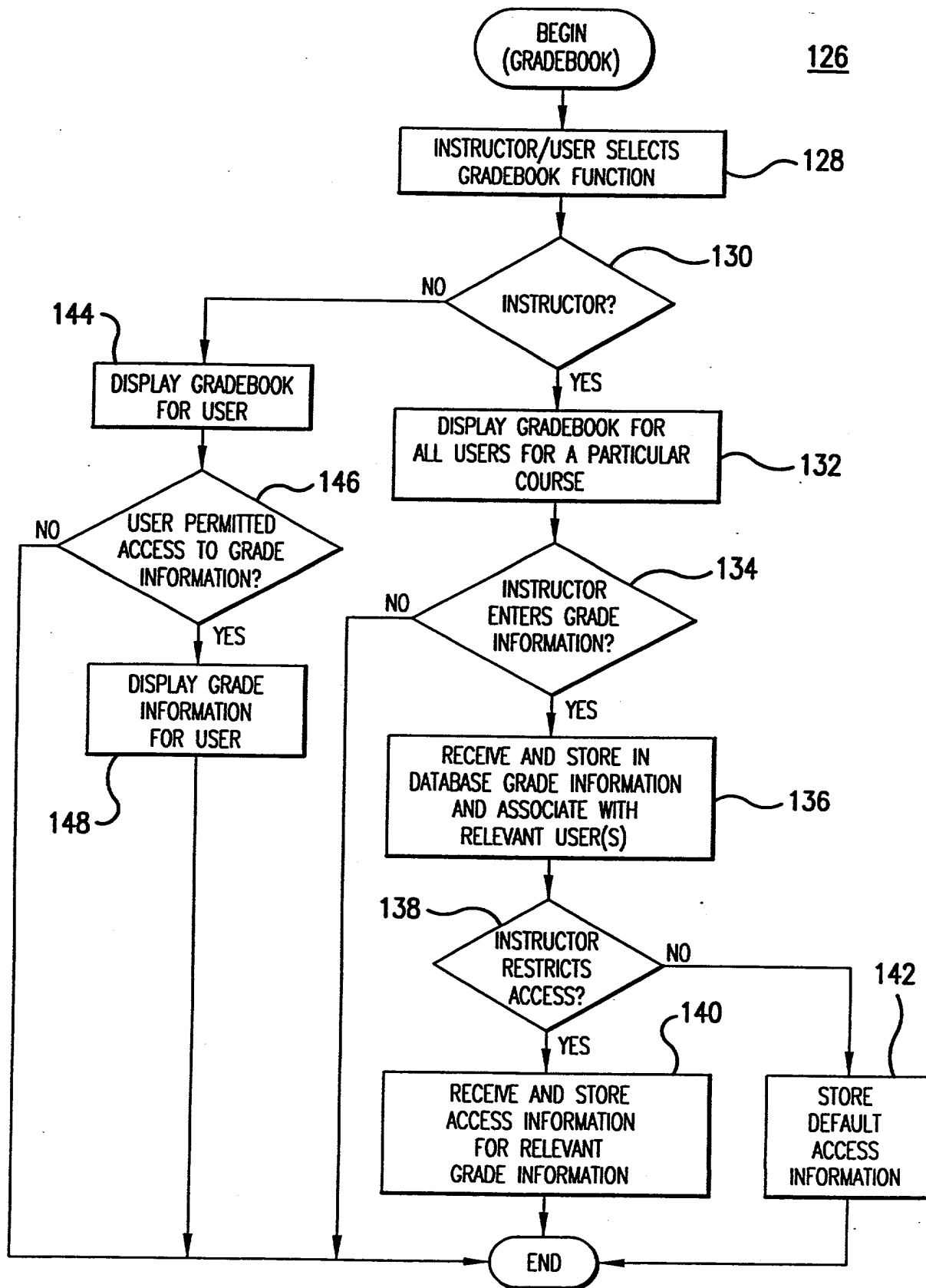


FIG. 1D

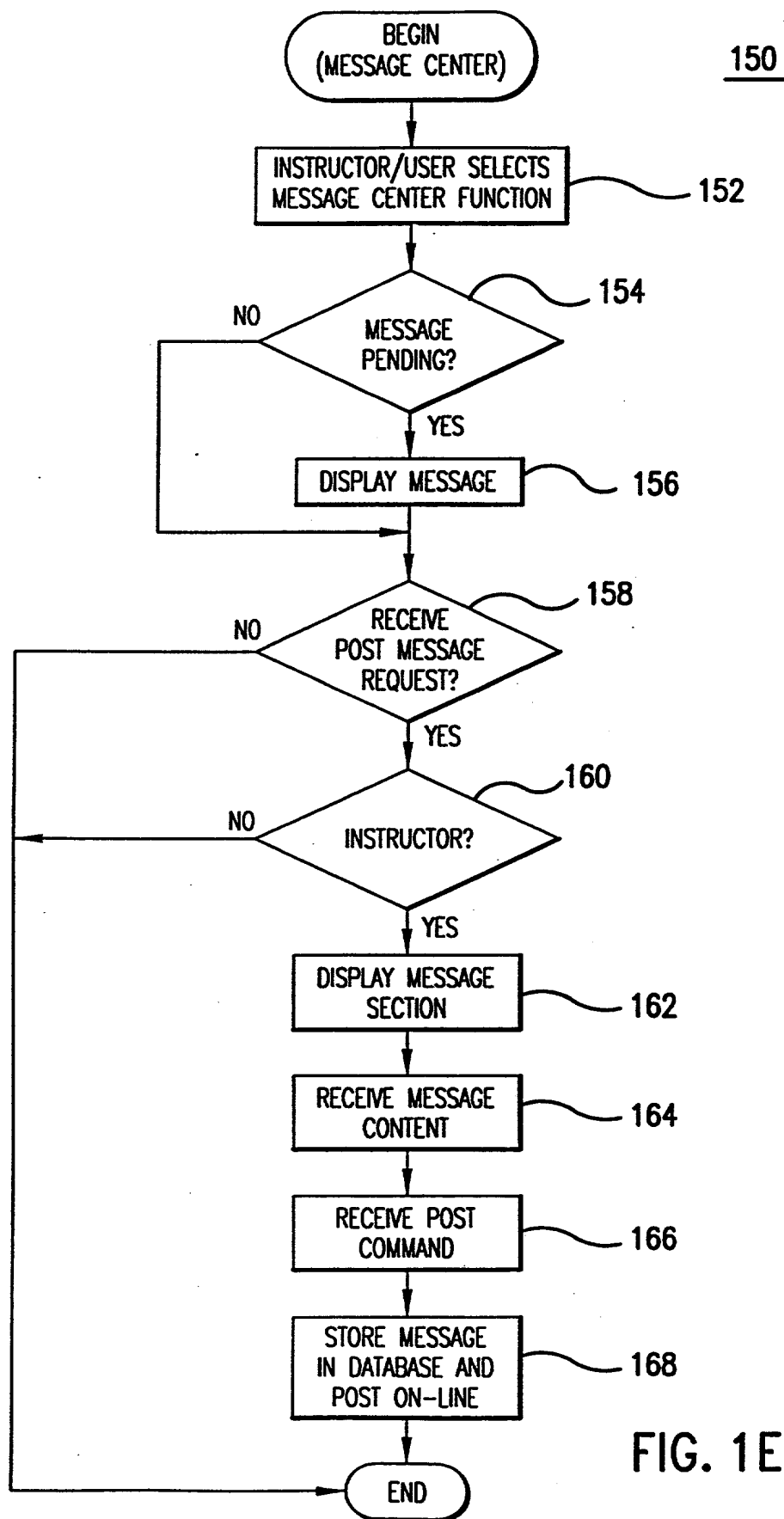


FIG. 1E

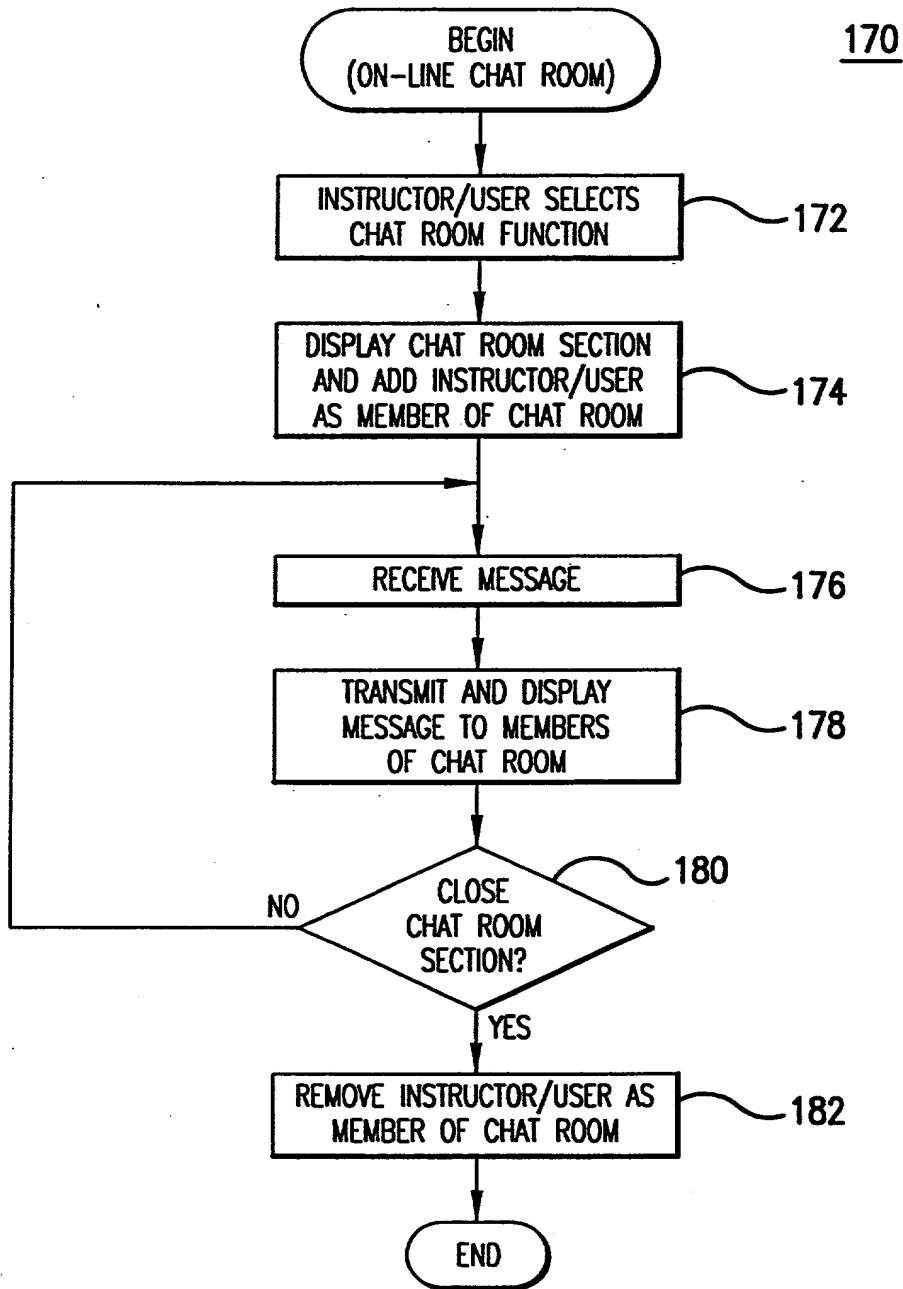
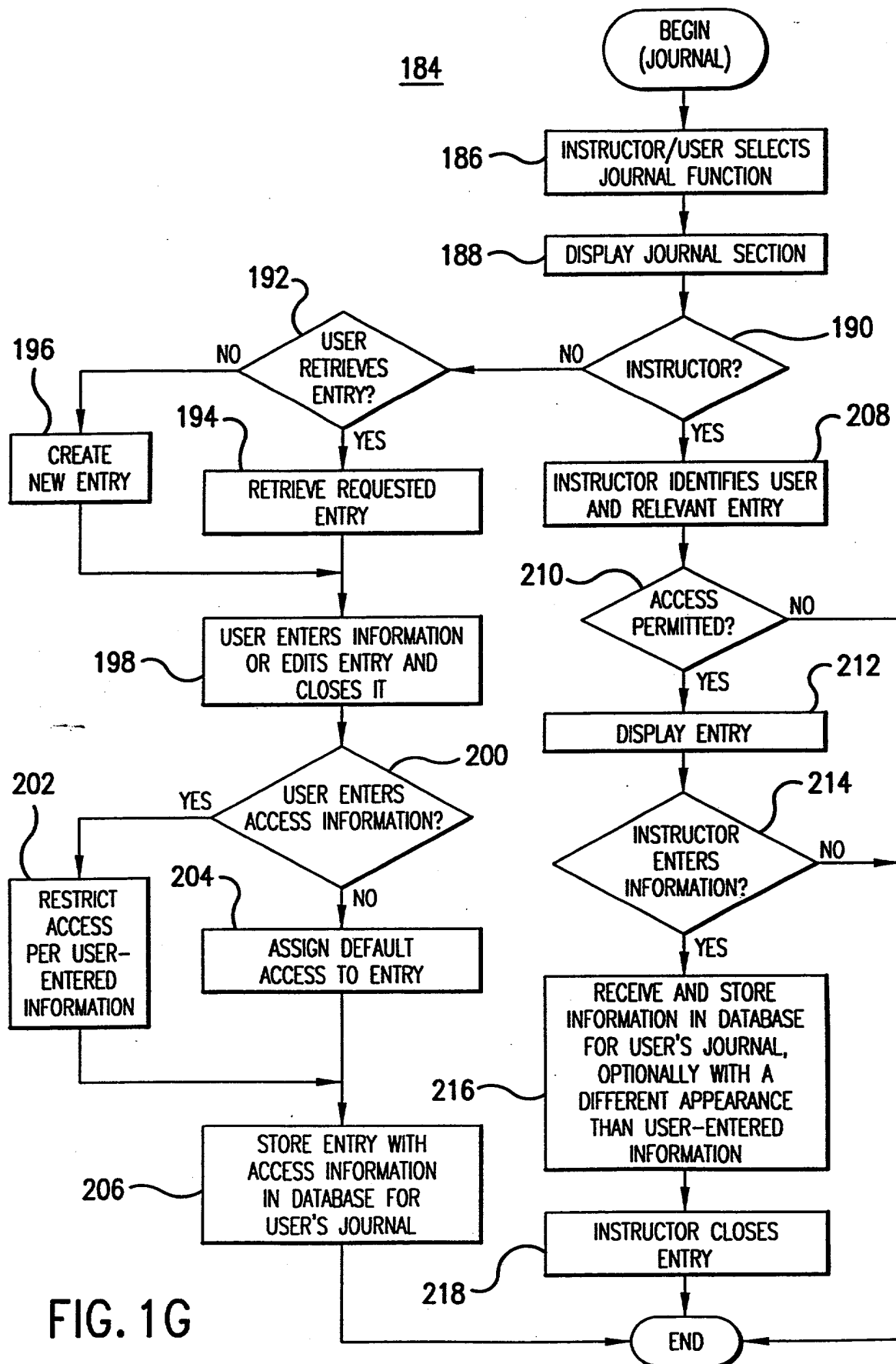


FIG. 1F



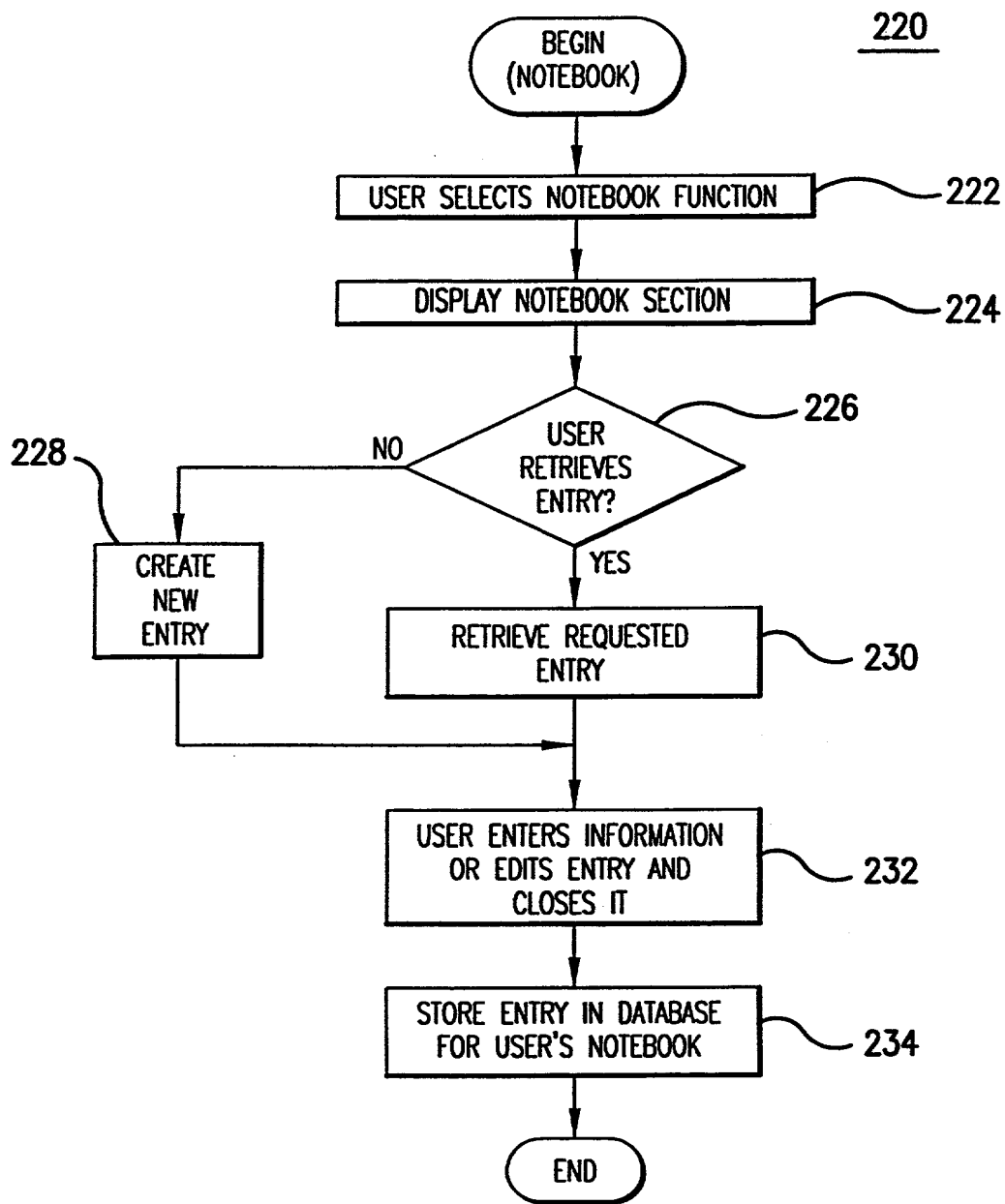


FIG. 1H

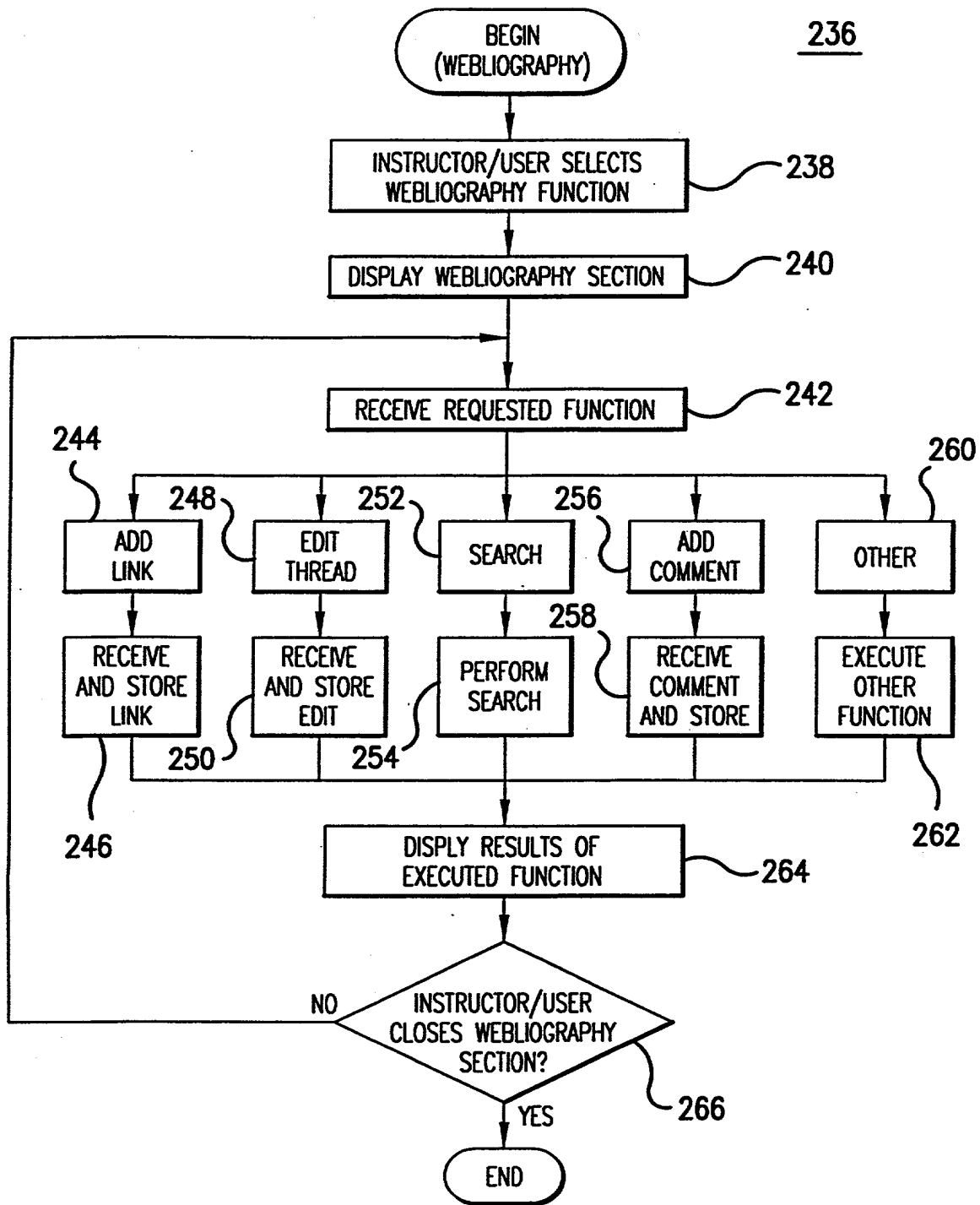


FIG. 11

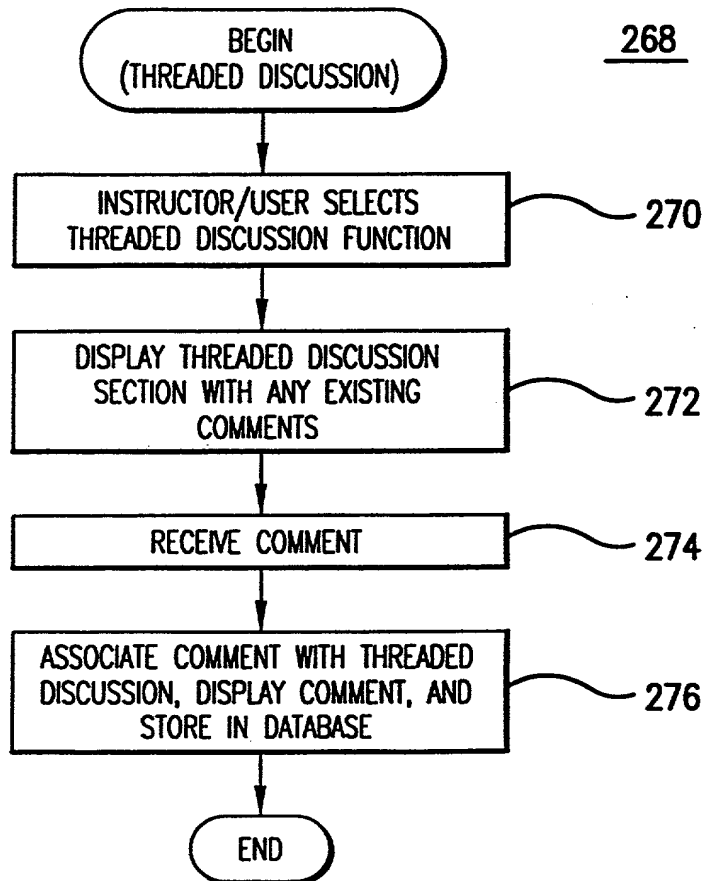


FIG. 1J

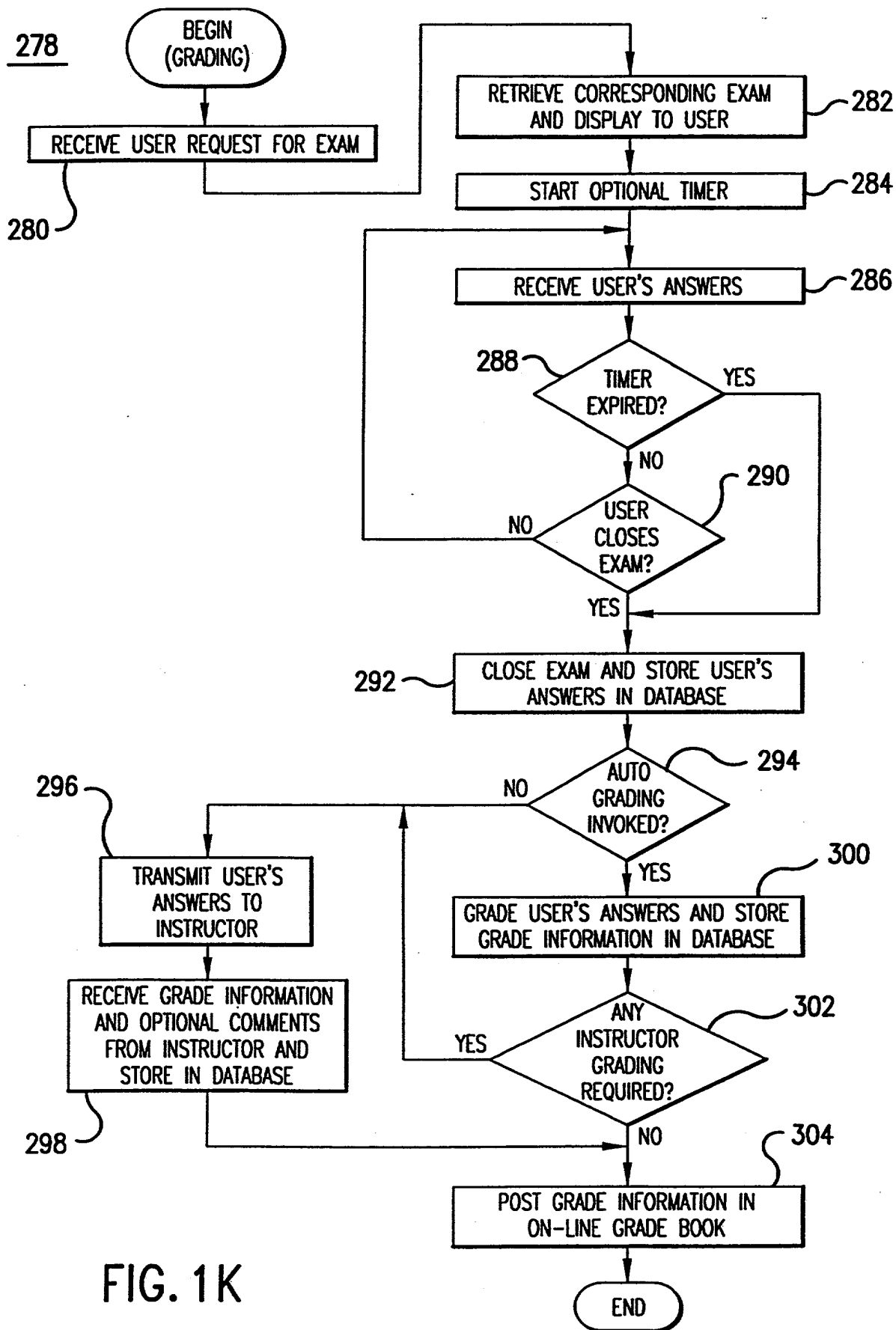
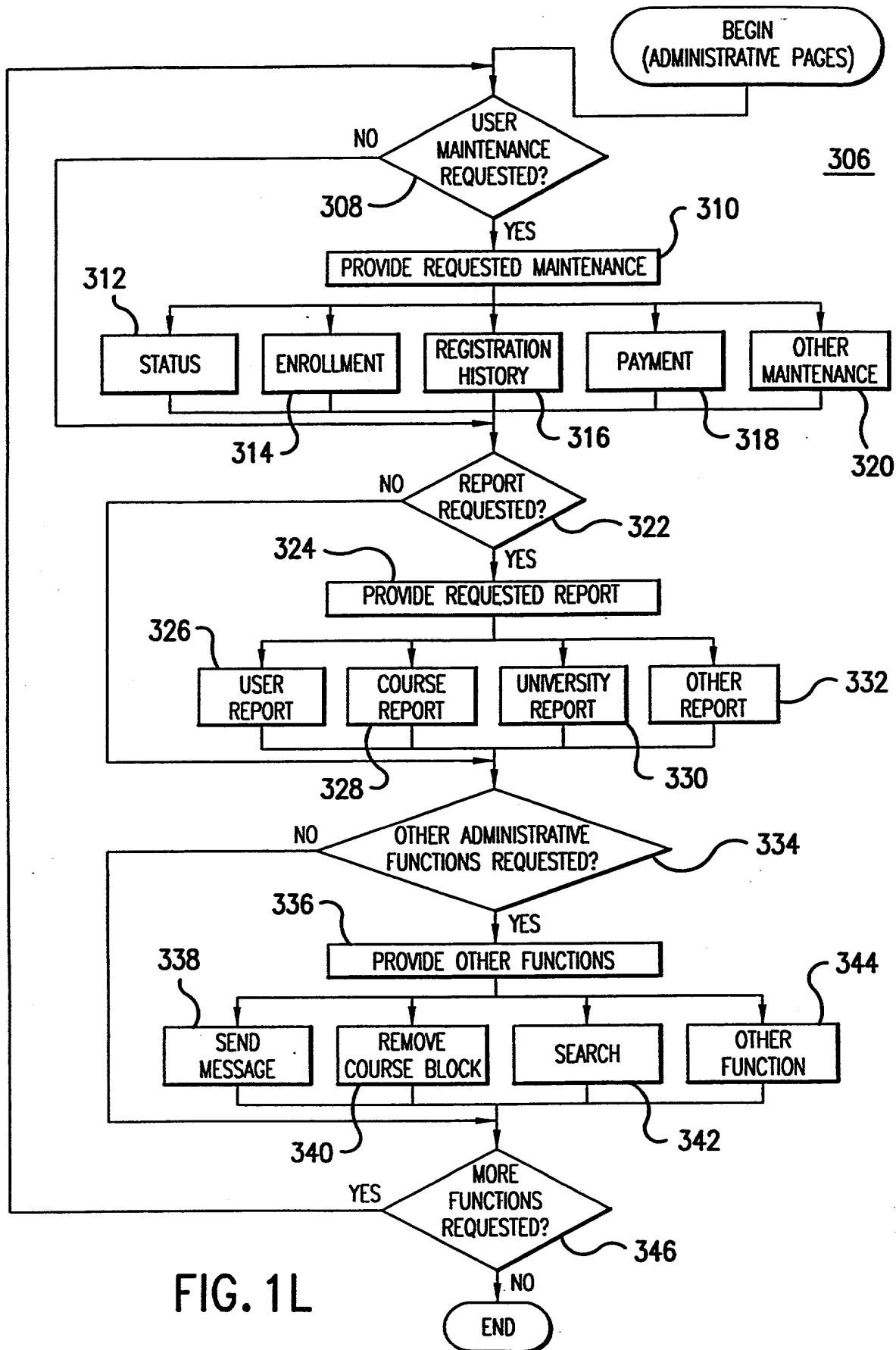


FIG. 1K



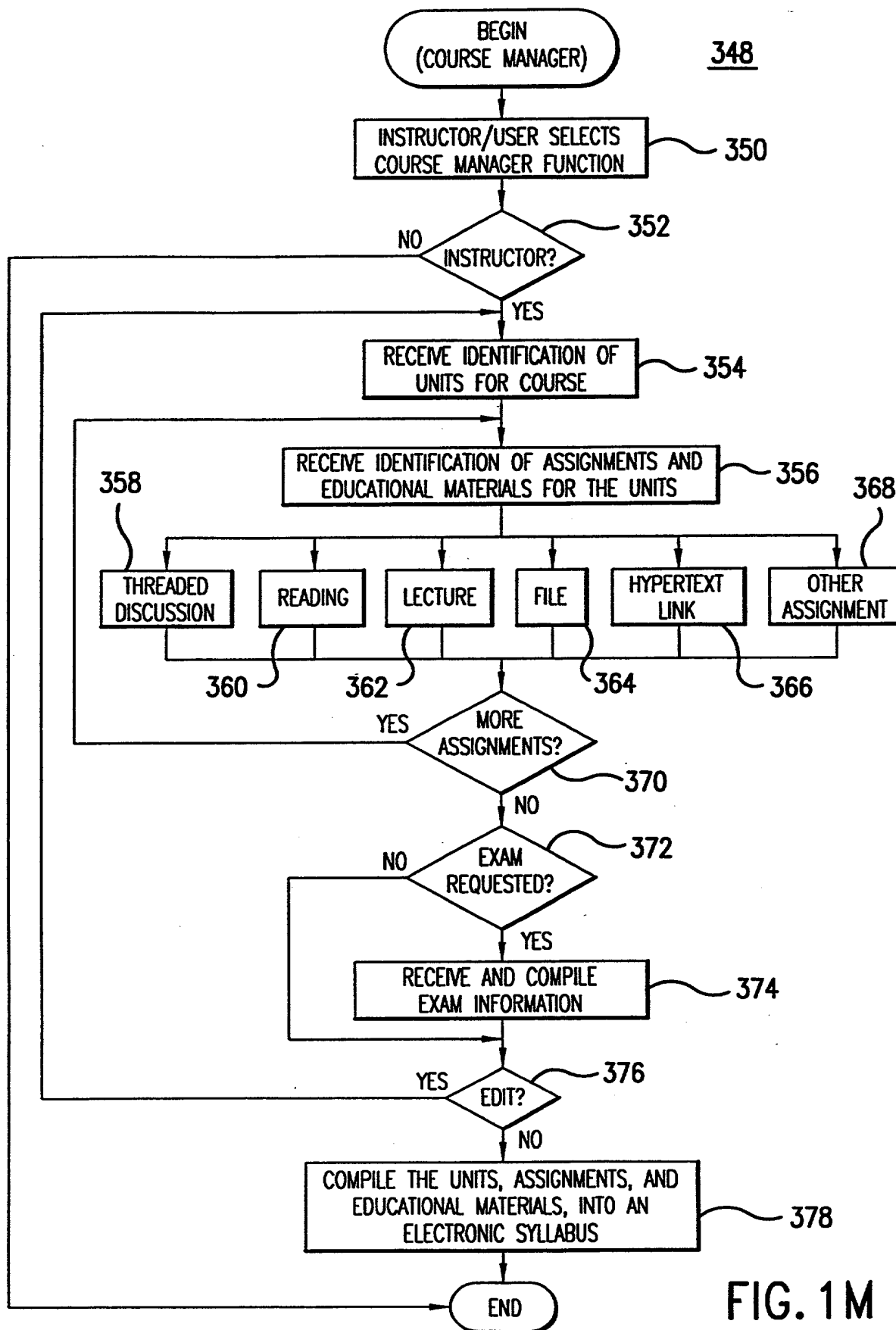


FIG. 1M

205240 "TT22900T 101144

FIG.2A	FIG.2B	FIG.2C	FIG.2D	FIG.2E	FIG.2F
FIG.2G	FIG.2H	FIG.2I	FIG.2J	FIG.2K	FIG.2L
FIG.2M	FIG.2N	FIG.2O	FIG.2P	FIG.2Q	FIG.2R

500

FIG.2

FIG.2A

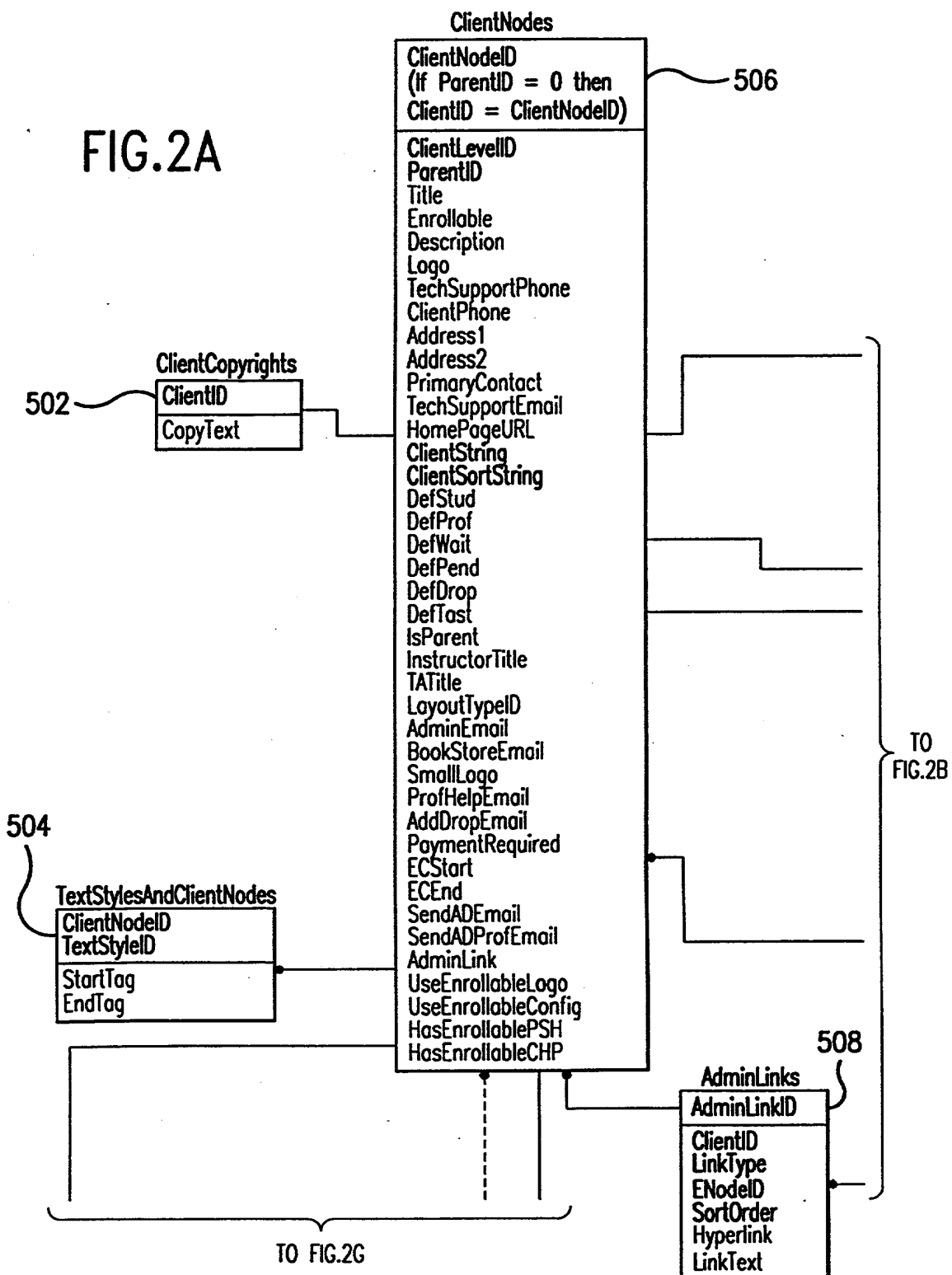
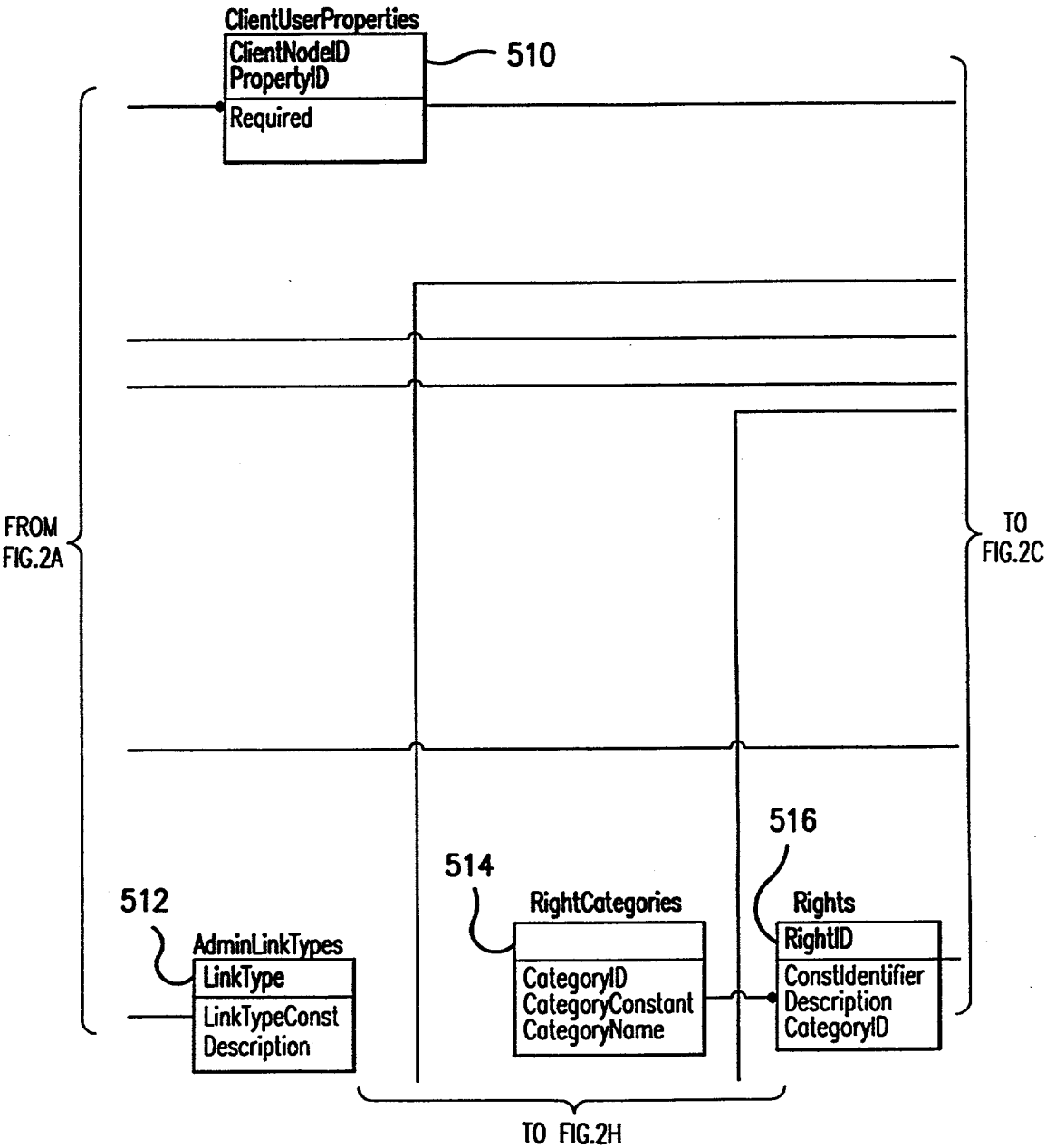
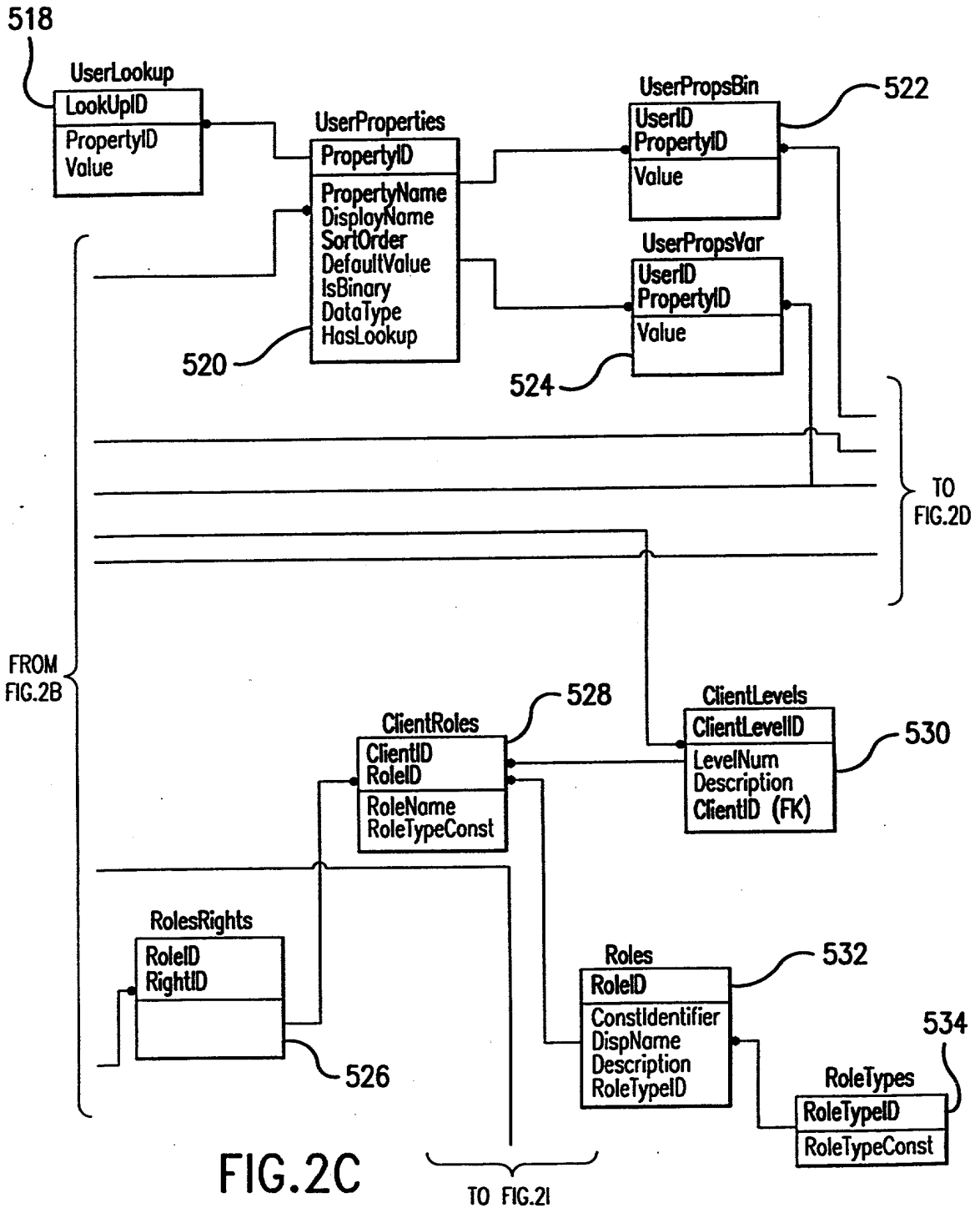
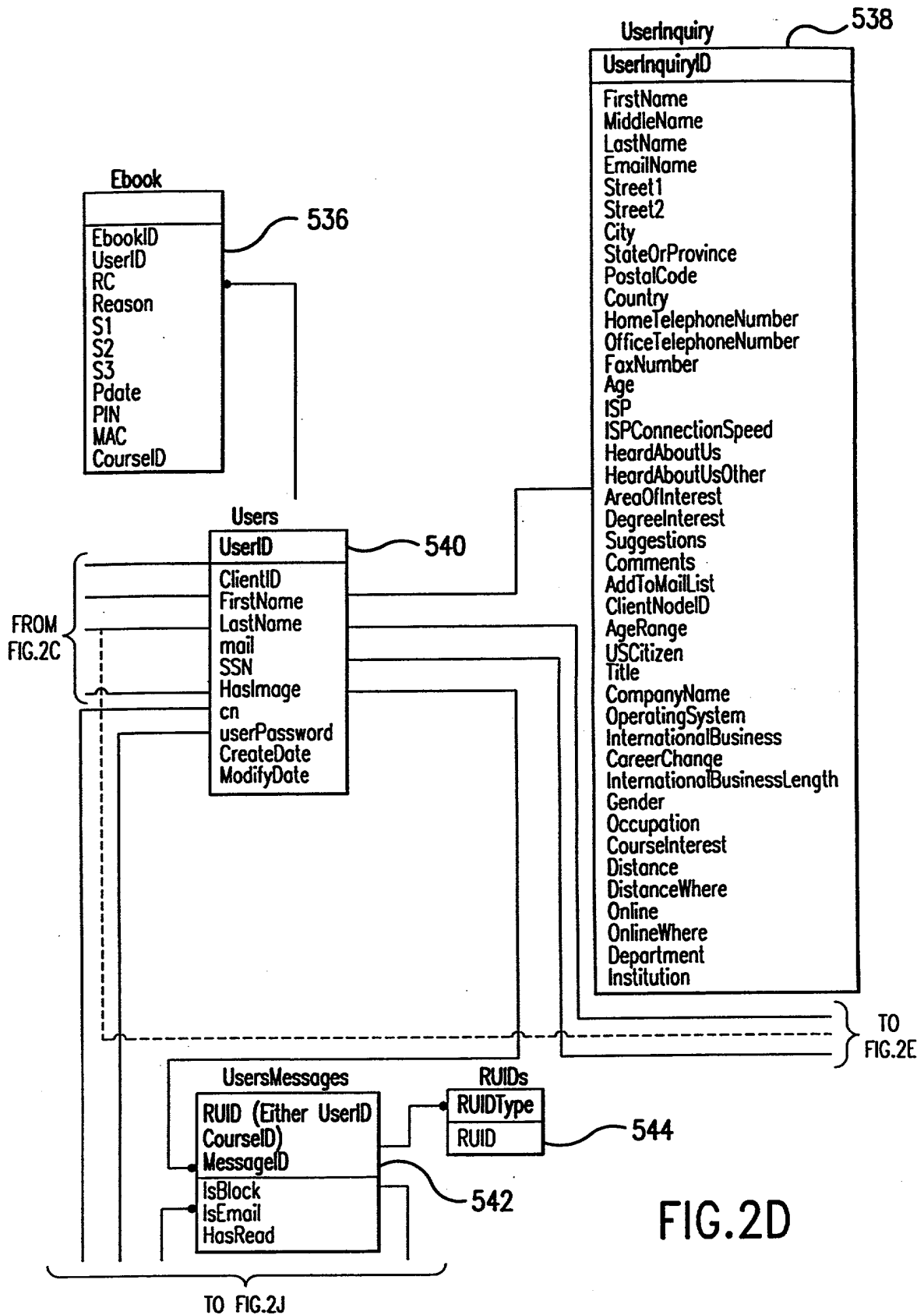


FIG.2B







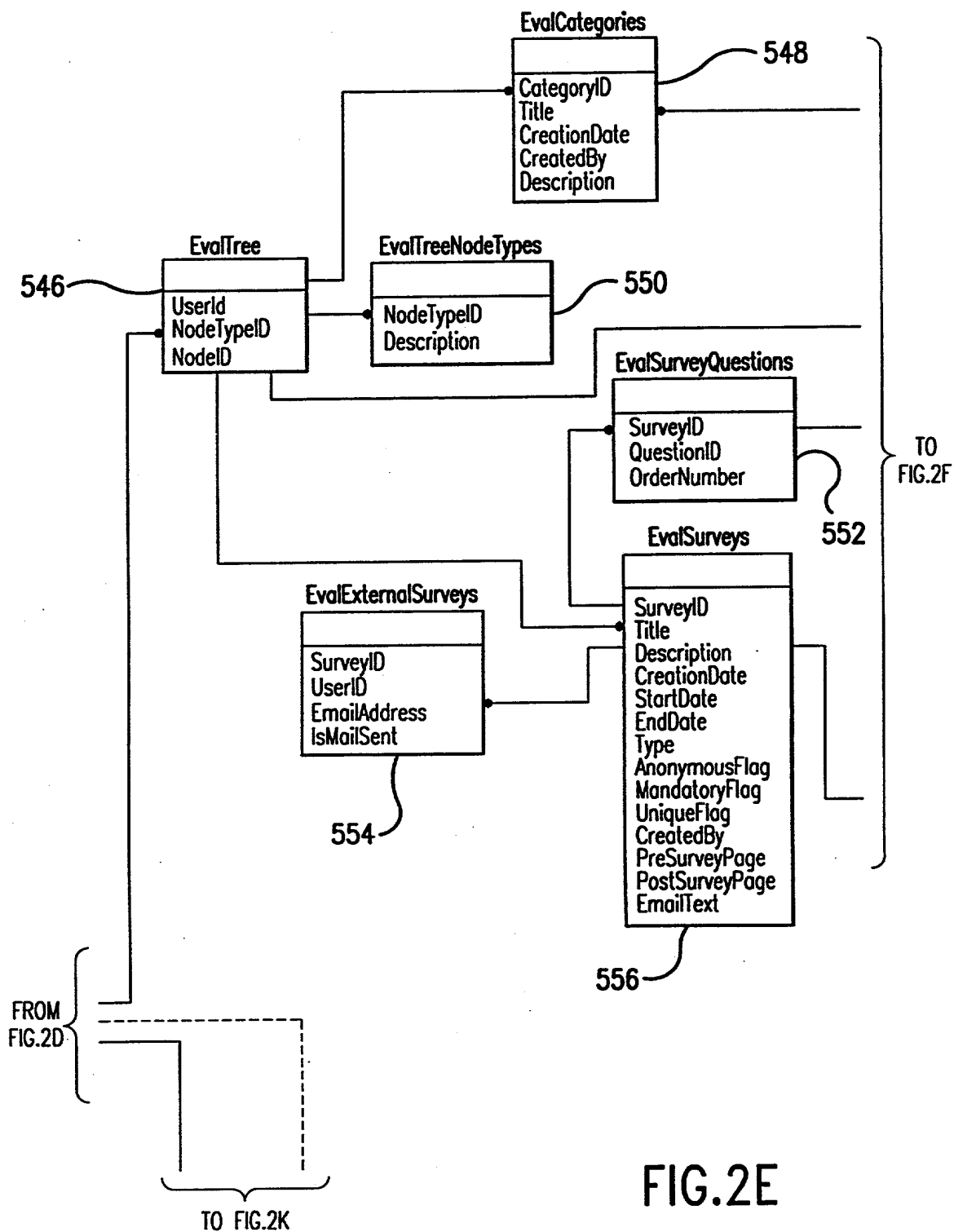


FIG. 2E

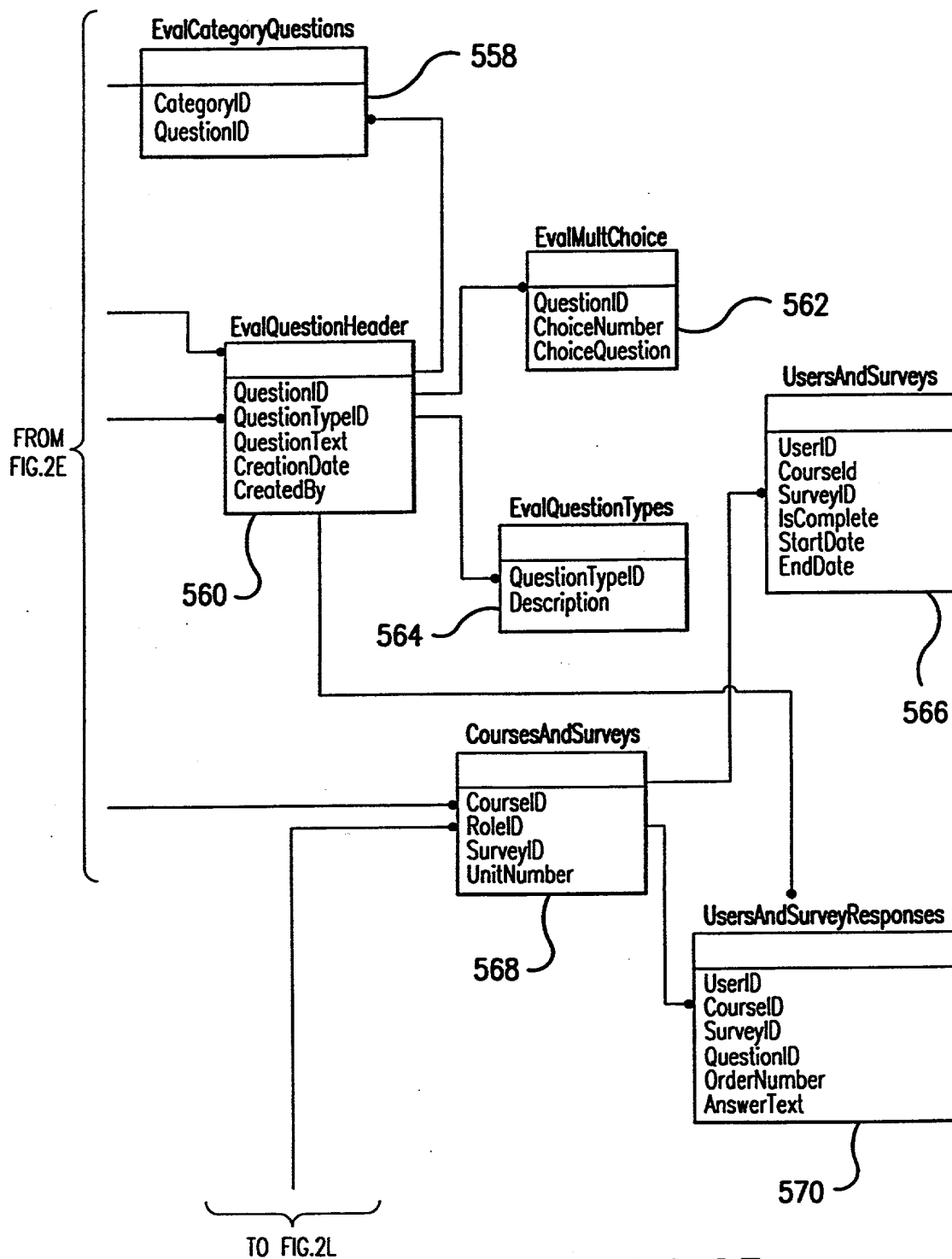
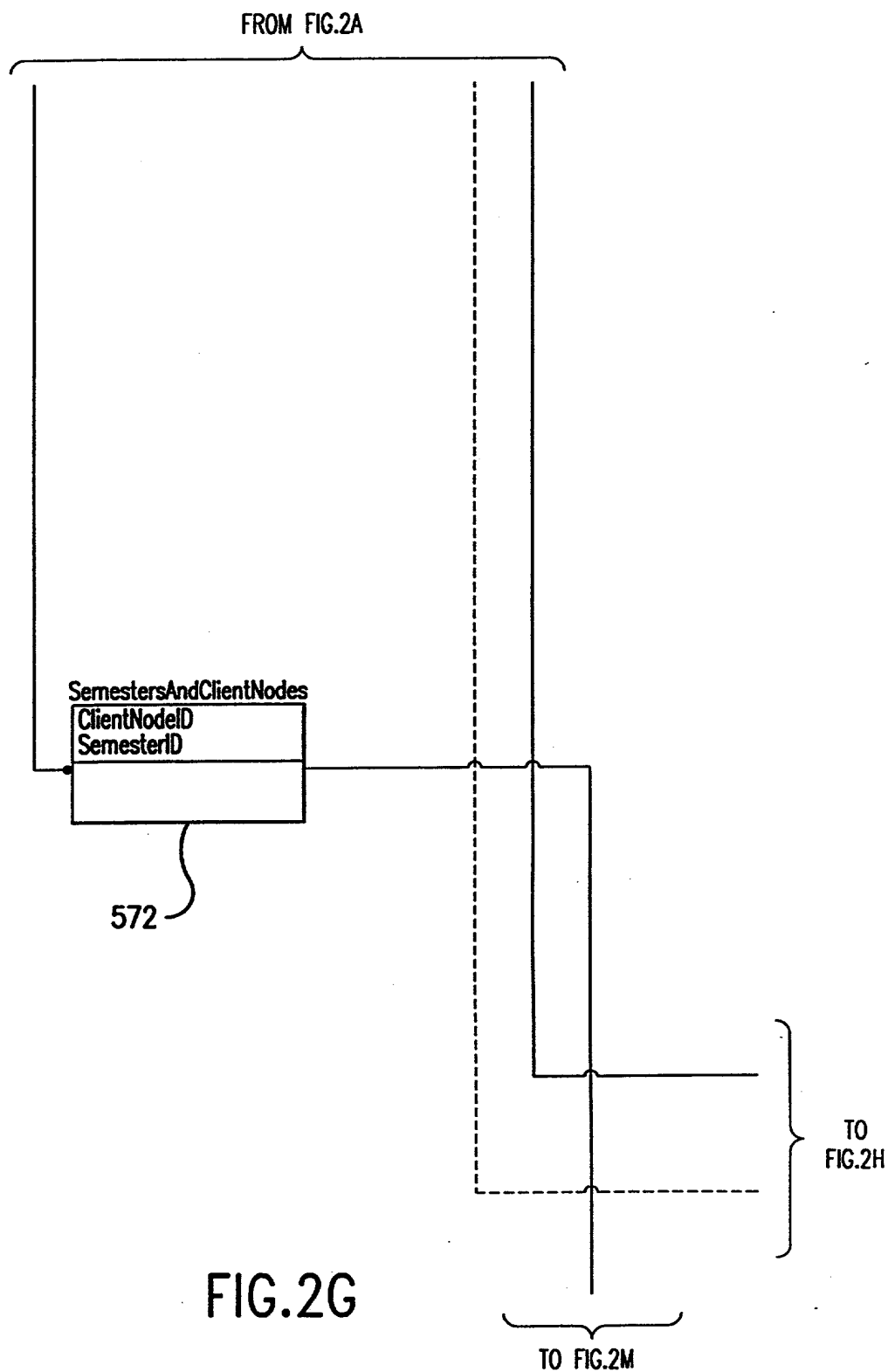
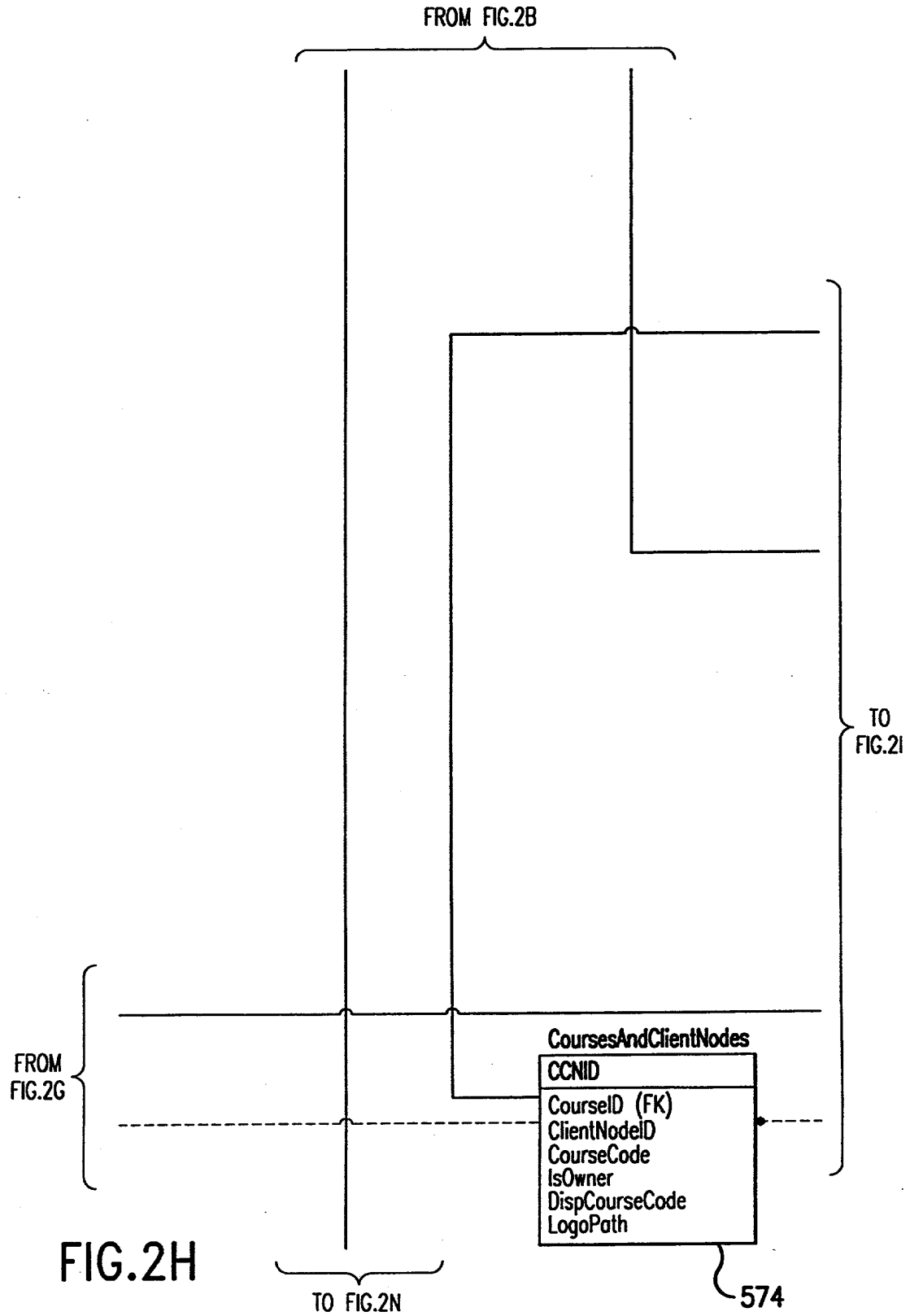
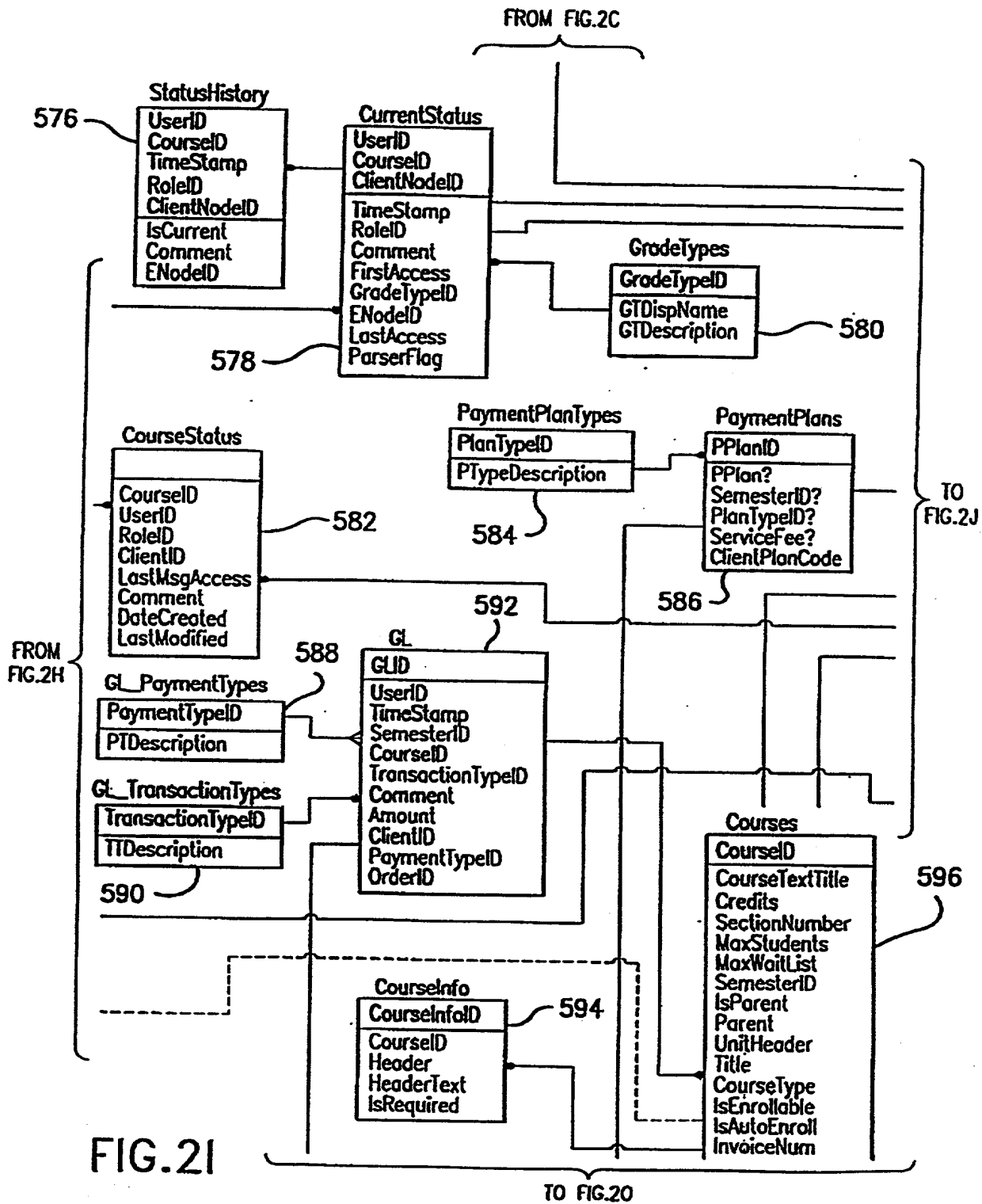


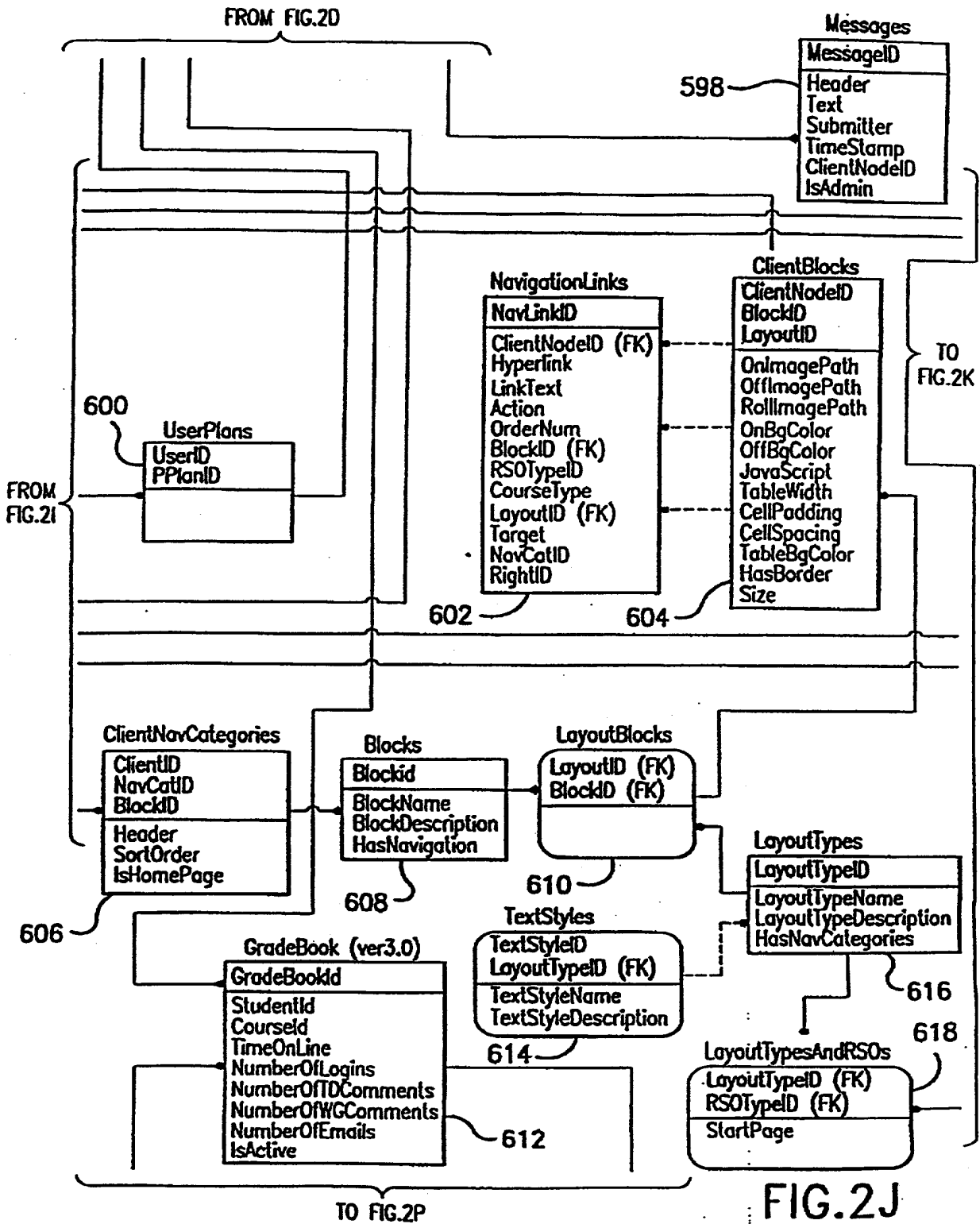
FIG. 2F

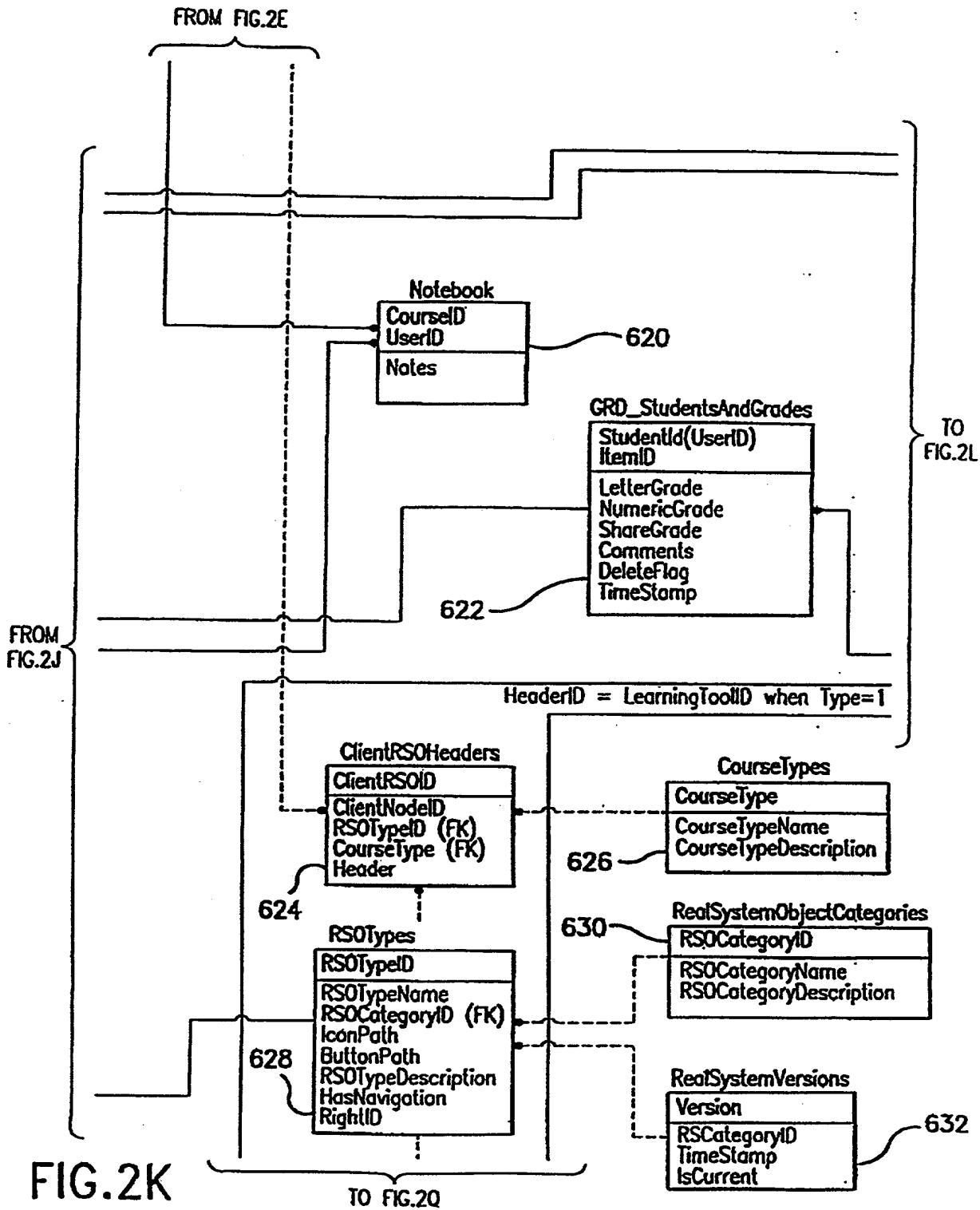


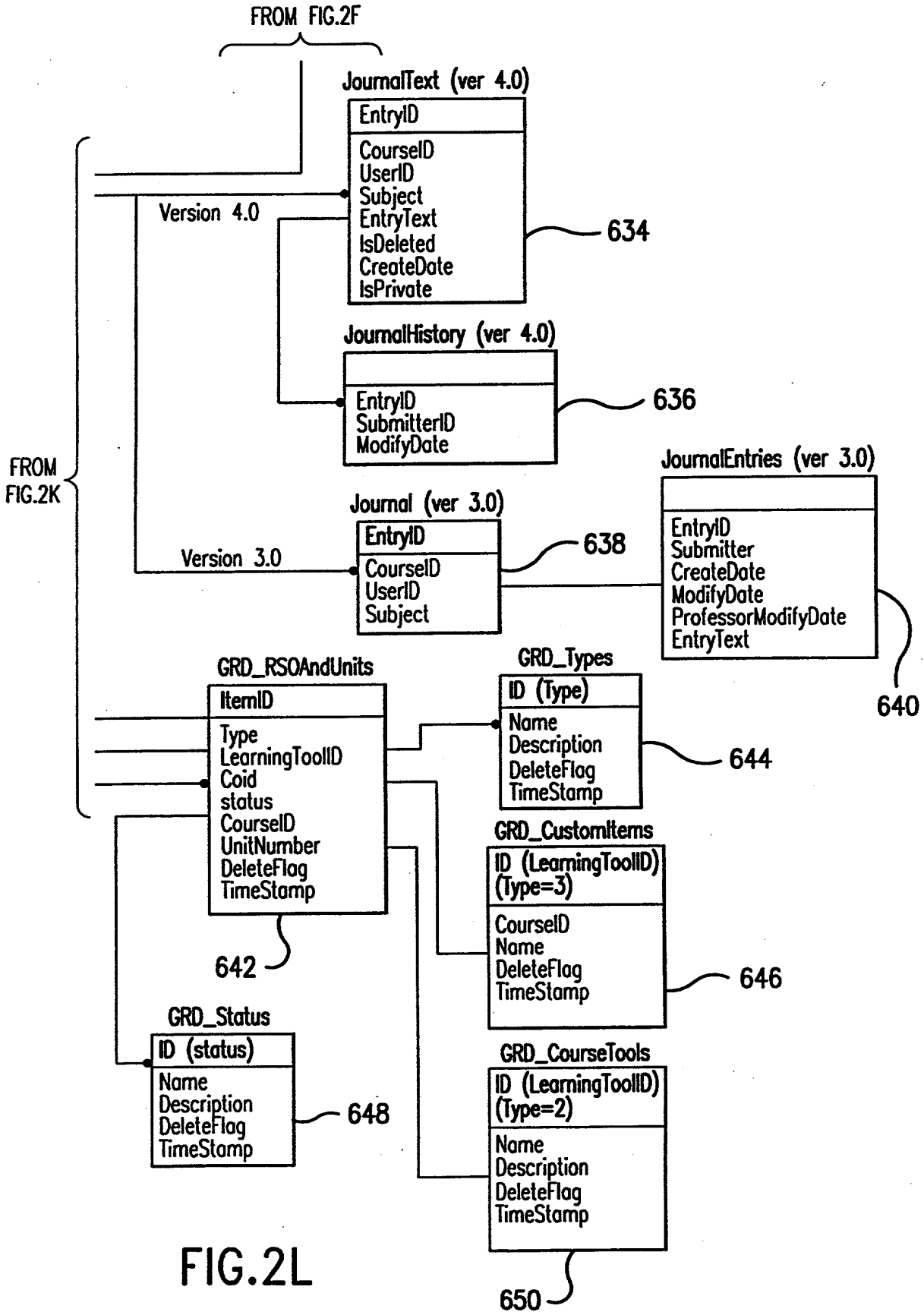
206240-4222007 38

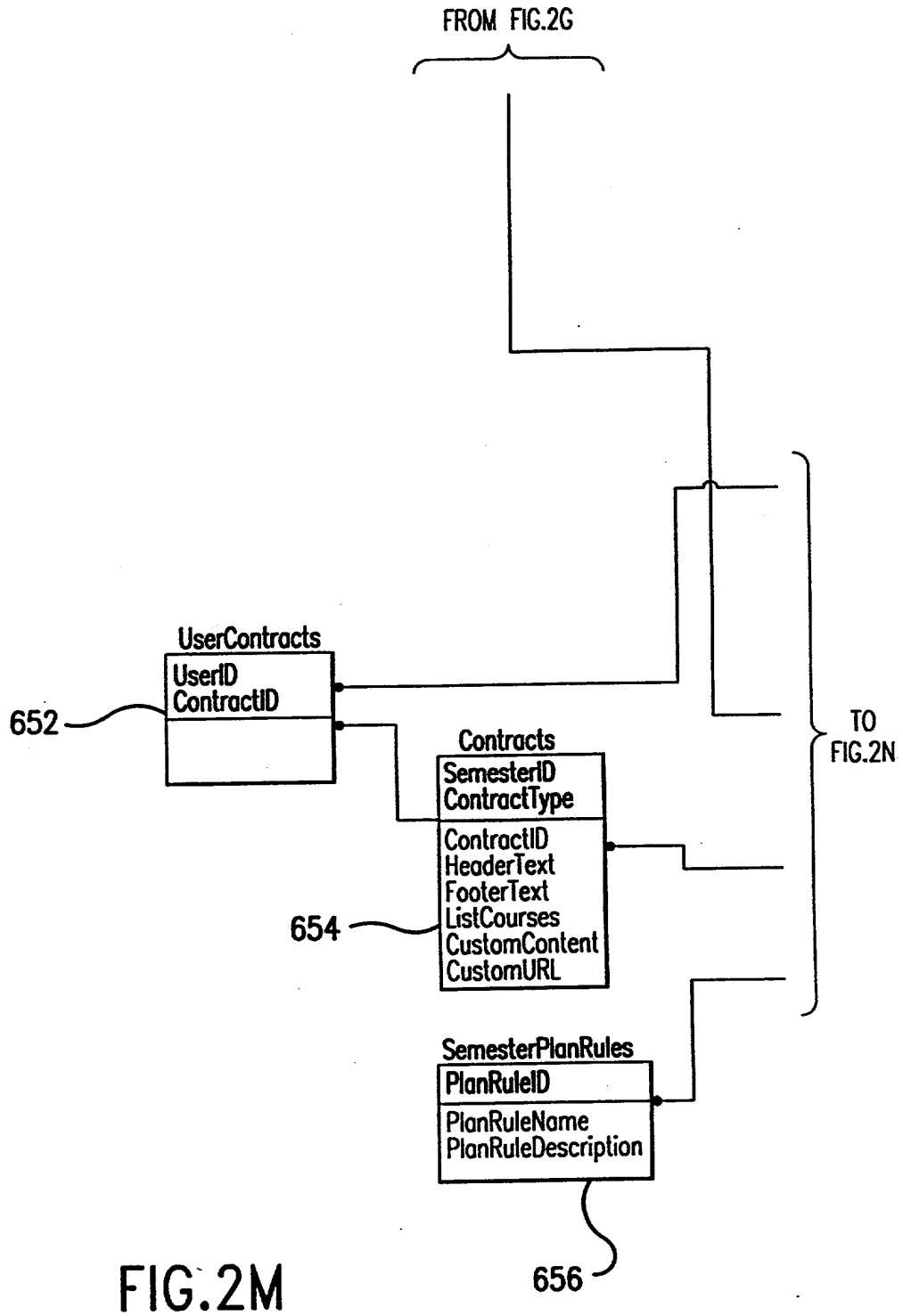


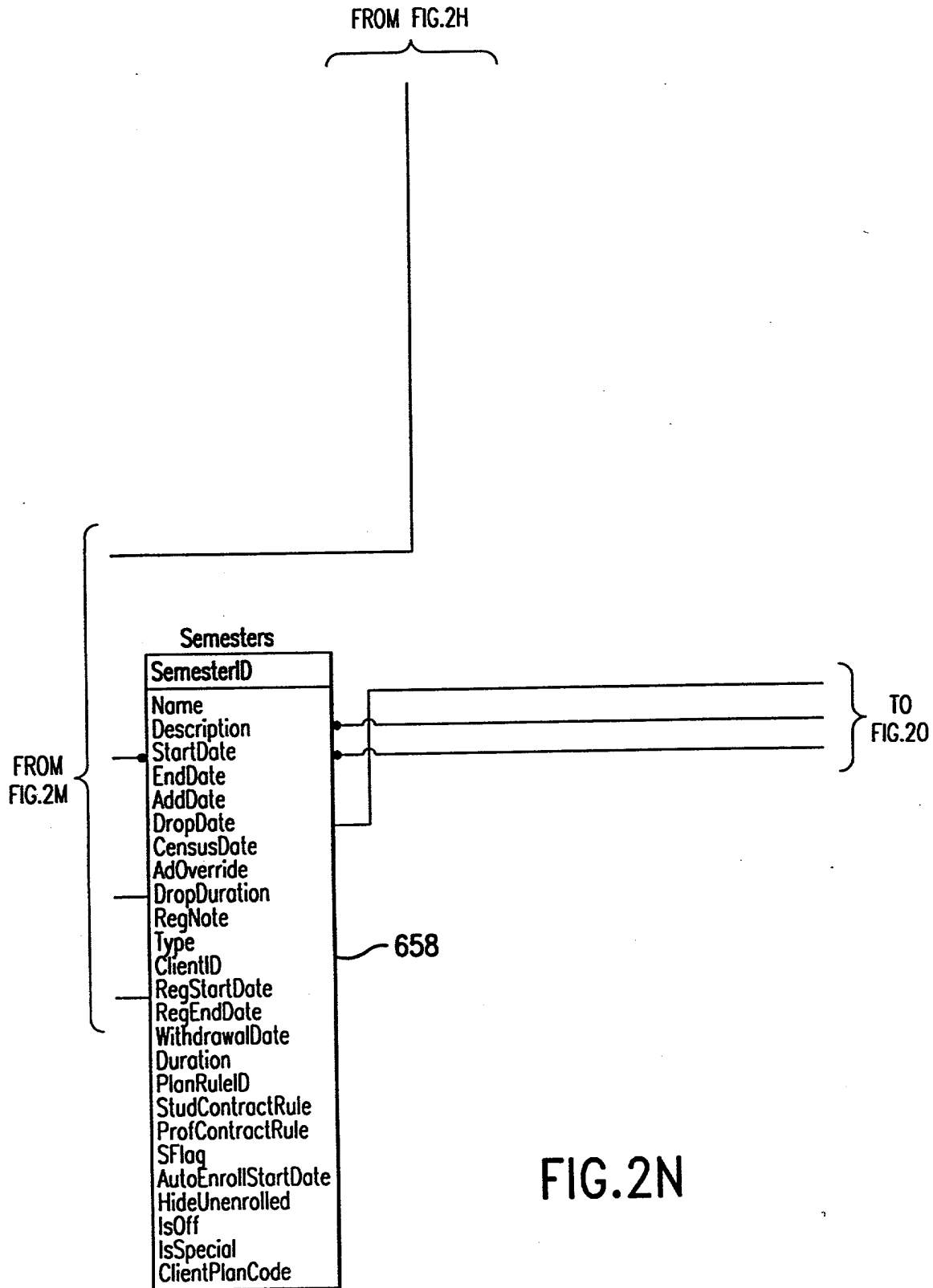












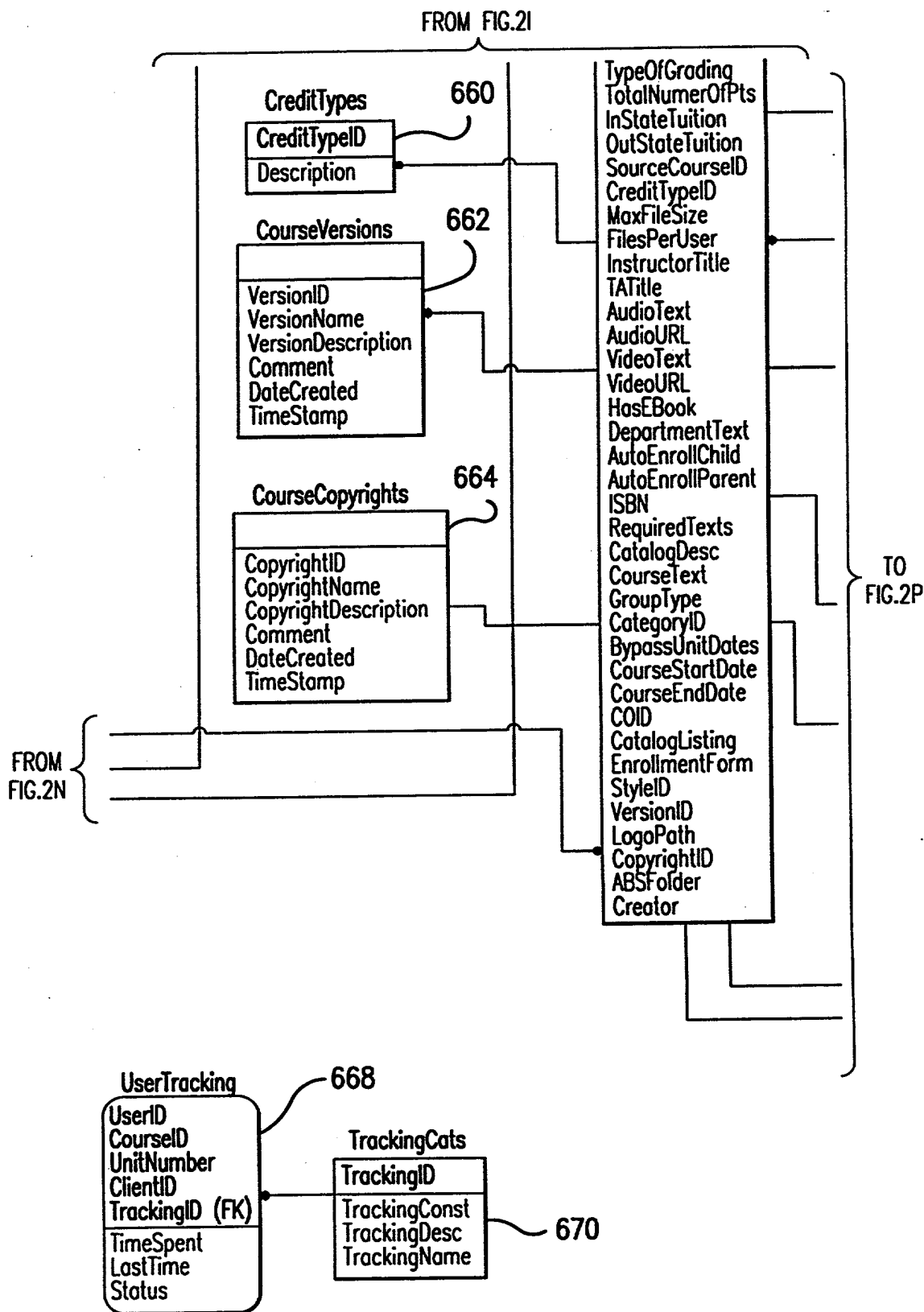
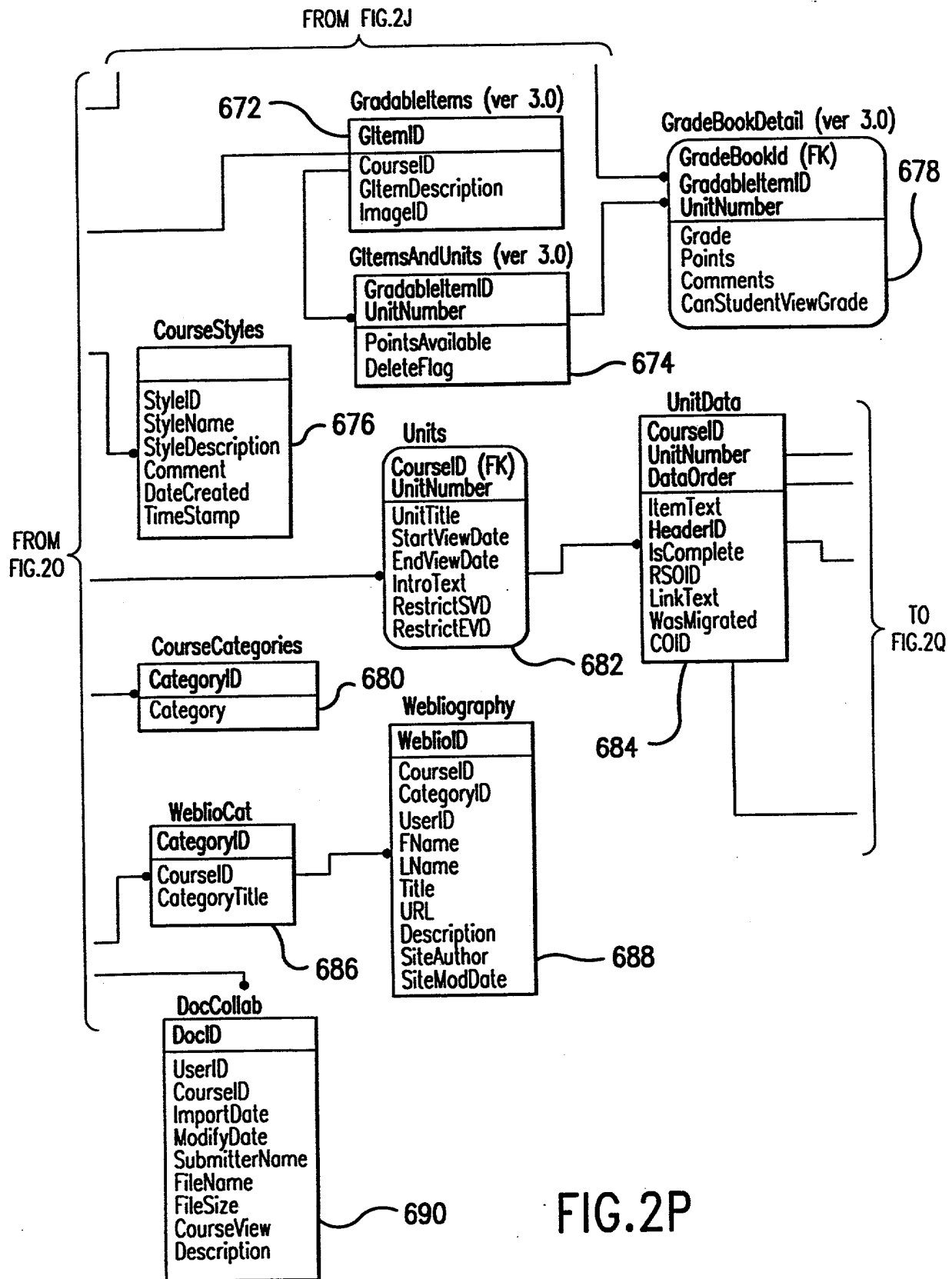


FIG.20



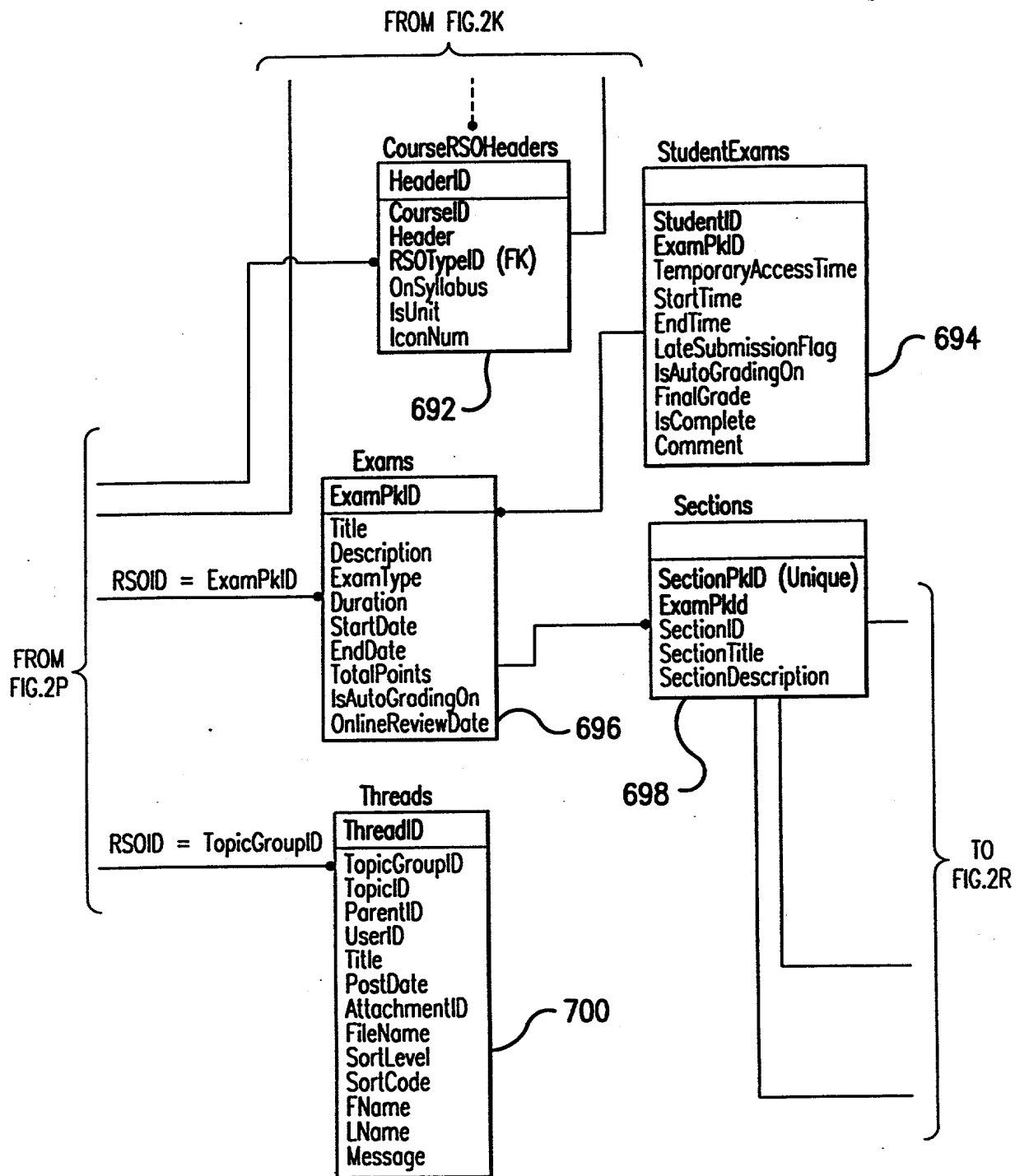
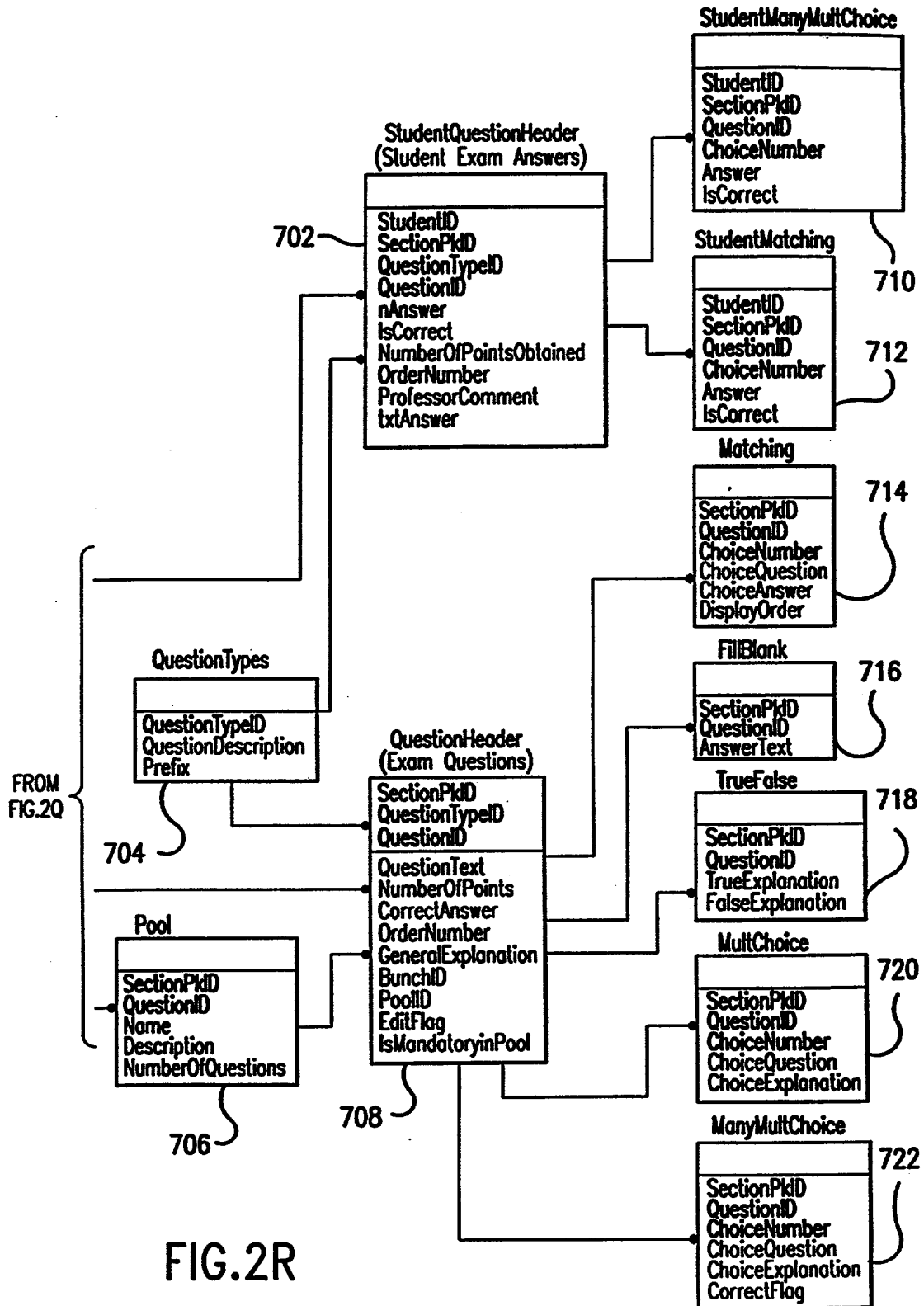


FIG.2Q



205240 " 47229001

2 Course Home Page - How to Design and Teach an Online Course - Microsoft Internet Explorer

Back Forward Stop Reload Home Search Favorites History Mail Print

Address: http://greguned.com/ra/A_CourseHomePage.asp?CourseID=4107&NodeID=3408&7-28779

ID1000 | How to Design and Teach an Online Course
Professor: Kevin Himmel - 802
8/8/99 7:27:43 PM Mountain Time

eCollege

HOME PAGES: Greg University / Sarah Allen / ID1000 - 804

816

Course Home Page

818 Course Home Page

820 Document

822 Collaboration

824 Email Class

826 Grade Book

828 Help Desk

830 Policies & Procedures

832 Classroom Center

834 Online Classroom

836 Student Journal

838 Student Notebook

840 Virtual Home Library

840 About Our School

806 Introductory Video (Video)

808 Introductory Audio (Audio)

810 Unit

812 Unit

814 Unit

816 Unit

818 Unit

820 Unit

822 Unit

824 Unit

826 Unit

828 Unit

830 Unit

832 Unit

834 Unit

836 Unit

838 Unit

840 Unit

800

Key

Assignment

Exam

Lecture

Practice Quiz

Reading

Threaded Discussion

Threaded Discussion - 841

FIG. 3A

205240" 47229001

Course Home Page – student view

818
846
830
822
832
820
838
836
834
824
826

Course Home Page - Cell Biology - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home

Address http://coursehomepages/CellBiology/

BIOL 3611-OL1 | Cell Biology

Professor: Marc Goalstone - 844

8/17/00 4:12:00 PM Mountain Time

HOME PAGES: University of Colorado Online / Jana Warner / BIOL 3611-OL1 - 846

844

Course Point

Course Information

Message Center

Enroll Class

Online Chatroom

Doc Upload/Share

Webboard/Quiz

Student Notebook

Student Journal

Gradebook

Helpdesk

Interactive Syllabus

Click here for Introductory Video (Video)

Audio Homepage Introduction (Audio)

Knowledge Bank

Click here for Frequently Asked Questions

Unit Title

8087

810

812

814

Key

Assignment

Exam

Exam Key

Important Notice

Reading

Study Guide

Threaded Discussion

Unit Audio

FIG. 3B

Document Sharing/Collaboration

816

Document Collaboration

848

Download file

PC users - Hold your mouse over the document name, click your right mouse button and scroll to 'Save Target As...' (IE) or 'Save Link As...' (Netscape) on the menu that appears.

Mac users - Click and hold on the document name until a menu window appears. Choose the option that allows you to save the document on your computer.

Kevin Himmel HBSP

852 854

File Name Description

Owner Date Size

SharePoint	SharePoint the Spring Week 4	SharePoint	7/25/04	50K	<input checked="" type="checkbox"/>
------------	------------------------------	------------	---------	-----	-------------------------------------

850

SHARE SELECTED FILE(S) (ADMIN ONLY)

850

DELETE SELECTED FILE(S) (ADMIN ONLY)

Upload File To

File Name 862 863

Description (required) - 864

Owner Date 866 868

870

SharePoint	SharePoint the Spring Week 4	SharePoint	7/25/04	50K	<input checked="" type="checkbox"/>
------------	------------------------------	------------	---------	-----	-------------------------------------

ADMIN ONLY

LINKS

Course Manager

Profile

FIG. 3C

email class

Course Home Page - Cell Biology - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop History Home Page Favorites History Mail File Edit

Address: [E] Http://cuonline.edu/te/A_EmailCourse.nsf?Action=EMAIL_CUlin-08;CourseID=34475&CNodeID=8148&47-37955#email

Cell Biology

☐ Professor M. Goalstone (Marc.Goalstone@UCHSC.edu)

☐ All Enrolled Users - 874

☐ show_email_list

Cell Biology

872

From: Jana Warner - 876

Date: 8/17/99

Subject: 878

Message:

880

Attachment:

882

884

882

Cell Biology

816

[illegible]

Fig. 3E

Gradebook - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Reload Home Search Favorites Web Browser Mail News Groups

Address: <http://online.eduhc/gradeBook.nsf?CourseID=31476&CLnodeID=8148&Action=GRADEBOOK&47-37559>

Online GradeBook BIOL 3611-OL1 - Cell Biology

Exit

		Numerical Grades Letter Grades															
		1	2	3	4	5	6	7	8	9	10	A	B	C	D	F	Pass/Fail
Student	Warner, Dana																
	NIC=INDIGRADED																

View Work

Put mouse over bar, click down & HOLD. Now drag mouse & bar for better viewing.

Select an Item to View:

- Assignments Quizzes Exams WebAssign
- Discussion Grading Help Welcome Page

FIG. 3F

Message Center

Course Home Page - Kevin Himmel HBSP - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Reload Home

Address: http://pregunet.com/ke/A_MsgCenter/CourseID-34701&VcodeID-3405&Action=MESSAGE&ID=7-28773

Case | Kevin Himmel HBSP

Professor: None

8:00 7:23:16 PM Mountain Time

HOMEPAGES: [Greg University](#) / [Sarah Allen](#) / [Case](#)

816

Message Center

Post a message (admin only)

Sarah Allen 07/09/2003 7:23:13 PM
There will be a test on Monday instead of Friday. Please complete by 9:00 pm. Thank you.
Post a message (admin only)

Post a message (admin only)

905

Course Home Page

Discussion

Collaboration

Email Class

Grade Book

Helpdesk

Policy & Procedures

Registration

Online Classroom

Student Journal

Student Notebook

Webinars

902

eCollege

Online chatroom

Course Home Page - Cell Biology - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Print

Address http://cuonline.edu/ie/A_Chat.real?CourseID=34475&Room=BIOL3611_344750

BIOL 3611- OL1 | Cell Biology

Professor: Marc Goalstone

8/17/99 4:09:07 PM Mountain Time

HOME PAGES: [University of Colorado Online](#) / [Jana Warner](#) / [BIOL 3611- OL1](#)

816

Chat | [View Chat Logs](#) | [Help](#)

Course Home

Course Information

Message Center

Enroll Class

Online Chatroom

Document Sharing

Web Resources

Student Notebook

Student Journal

Grade Book

Help Desk

User: Jana Warner Room: BIOL3611_34475r0 Room Users: 1

914

910

912

FIG. 3H

Student Journal

Case | Kevin Himmel HBSP
Professor: None
8/9/99 7:40:23 PM Mountain Time

eCollegesm

HOME PAGES: [Greg University](#) / [Sarah Allen](#) / [Case](#)

816

916

Student Journal

-> [Start New Journal Entry](#) - 918

ENTRIES ▶ [EXPAND ALL](#) | [COLLAPSE ALL](#) - 920

922

▶ [My favorite Chapter](#)
Last modified by student: 8/9/99 7:41:18 PM - 924
Last modified by instructor: 8/9/99 7:41:18 PM

▶ [I thought Chapter 5 was really interesting](#) - 926

▶ [Prof comments: I'm glad you enjoyed it](#) - 928

▶ [Edit this Journal Entry](#) - 930

What I think

Last modified by student: 8/9/99 7:39:43 PM
Last modified by instructor: Not modified

ADMIN ONLY
LINKS
[Course Manager](#)
[Profile help](#)

- [Course Home Page](#)
- [Bookman](#)
- [Collaboration](#)
- [Final Exam](#)
- [Gradebook](#)
- [Helpdesk](#)
- [Instructor's Resources](#)
- [Message Center](#)
- [Online Chatroom](#)
- [Student Journal](#)
- [Student Notebook](#)
- [Webbboard](#)
- [Profile help](#)

205240" 4122900T

Student Notebook

Notebook - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail News

Address http://cuonline.edu/re/A_Notebook.nsf?CourseID=34475&CNodelD=8148&Action=NOTEBOOK&47=37559

BIOL 3611- OL1 | Cell Biology
Professor: Marc Goalstone
8/17/99 3:44:26 PM Mountain Time

HOME PAGES: [University of Colorado Online](#) / [Jana Warner](#) / [BIOL 3611- OL1](#)

816

Courses Home
Course Information
Message Center
Email Class
Online Chatroom
Document Sharing
Weblectures
Student Notebook
Student Journal
Grade Book
Help Desk

Notebook

Please be sure to click on the "Save Notes" button to avoid losing your notes.

936

934

Save Notes

FIG. 3J

932

Weblogography

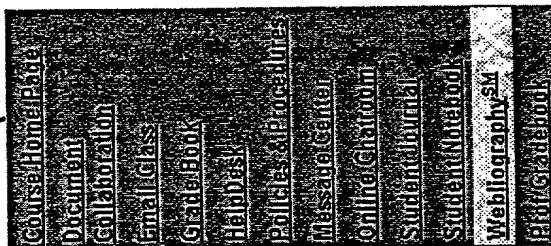
BIOL 3611 | Cell Biology
Professor: prof prof
8/9/98 7:52:28 PM Mountain Time

eCollegesm

HOME PAGES: [Greg University](#) / [Sarah Allen](#) / [BIOL 3611](#)

816

938



Weblogography

- [add new entry](#) - 940
- [view](#)
- [all entries](#) - 942
- [search](#) - 944

Results

2 item(s) are in the weblogography.

- [Great Resource](#) - 946

Description: This is a great source to find content in cell biology - 948

[DELETE \(ADMIN ONLY\)](#)

- [My favorite](#) - 950

Description: This is where you can talk to other cell biology researchers - 952

[DELETE \(ADMIN ONLY\)](#)

ADMIN ONLY
LINKS

[Course Manager](#)
[Print Help](#)

FIG. 3K

Threaded Discussion

HOME PAGES: Greg University / Sarah Allen / Orientation Course / Unit 5: How Do I Communicate with my P...

Home 1 2 3 4 5 6 7 8 9

816

Course Home Page
Document
Collaboration
Email Class
Grade Book
Helpdesk
Policies & Procedures
Message Center
Online Classroom
Student Journal
Student Notebook
Weblog/rap/su
Prongradabook

Thread Topics

- Why are you taking an online course? - 956
- Have ever taken a course online before? - 958

ADD A TOPIC (ADMIN ONLY)

Have ever taken a course online before?

Keith Millner | 7.21.99 4:13:08 pm

- 960

More and more people are taking courses online. If you are one of the pioneering types who has been down this road before, perhaps you have experiences or advice to offer those who are now joining you in this new academic environment.

RESPOND TO THIS TOPIC | EDIT TOPIC (ADMIN ONLY) | DELETE TOPIC (ADMIN ONLY)

962 964 966

Responses 968 970

display by: TOPIC | DATES | AUTHOR - 972

show expanded view

L This is great - I am... Susan Karson | 8.9.99 7:54:49 pm - 974

This is great - I am really excited about taking my course online

RESPOND TO THIS POST | DELETE THIS POST (ADMIN ONLY)

976 978

ADMIN ONLY
LINKS

Course Manager
Profile Help

FIG. 3L

Student Exam

Time Remaining: 0 hours 29 minutes 49 seconds ← 982

1. With online courses you do not have daily contact with your professor. Does this mean all online courses are self-paced? (1 point)

(s))

☐ Yes

☐ No

984

980

2. Match the following terms with the correct definition. (3 point(s))

<input type="checkbox"/> E-mail	1) This synchronous form of communication can take place with the entire class, a small group, or a private meeting between my professor and me. In this type of communication, everyone involved must be logged in at the same time.
<input type="checkbox"/> Syllabus	2) This is what I would use to contact a fellow student(s) and/or the professor, without the message becoming a permanent part of the course.
<input type="checkbox"/> Online Classroom	3) My instructor may use one of these to communicate due dates for the course, and other course information.

986

Exam Navigation:

Click on the buttons below to switch between exam sections. Clicking on the buttons will also store your answers.

Exam Home Section 1 Section 2 Section 3 ← 988

Store your answers frequently during exam. Submit for grading when you are finished working on the exam.

Store Answers Submit Exam For Grading

990

992

FIG. 3M

Administrative Pages

Administrative Reports - Microsoft Internet Explorer

http://greguired.com/te/admin/admincenter.res?47=28779

Administrative Pages
8/18/99 9:13:23 AM Mountain Time

HOME PAGES: [Greg University / Sarah Allen / Administrative Pages](#)

User Maintenance - 996
[User Enrollment - 998](#)
 Assign users to courses.
[User Status - 1000](#)
 Change a user's status and course association.
[Create User - 1002](#)
 Create a new user.
[Enroll User In Another Enrollable Area - 1004](#)

Administrative Message Center - 1006
[Send a message - 1008](#)
 Send a message to a group of users via email or posting on the Personal Student Home Page; place a course block on users.
[Remove a Course Block - 1010](#)
 Remove an existing course block.

Reports - 1012 - 1014
[User reports - 1014](#)
 Search for users and view or edit data related to: Enrollment, Registration, Usage Logs, and Administrative Information.
[Course reports - 1015](#)
 Review enrollment totals by course. View a list of the currently enrolled users. Adjust current enrolled student statuses.
[University reports - 1016](#)
 Reports on the number of courses by enrollable area. View user enrollment by enrollable area. View enrollments by semester.

eCollege

994

FIG. 3N

Administrative Pages - User Enrollment

User Select - Microsoft Internet Explorer

Back Forward Stop Reload Home Search Favorites History Mail Edit Print

Address http://gregu.realed.com/te/admin/UserSelect.real?Type=enroll&7-28779

<input type="radio"/> Molaison, Al	al.m@realeducation.com	CU Student	Sales
<input type="radio"/> Molaison, Al	al.m@realeducation.com	CU Student	Sales
<input type="radio"/> Oda, Alan	aybta@apblecti	CU Professor	Temporary
<input type="radio"/> Tabur, Anthony	anthonyv@ecollege.com	CU Professor	Realed Internal Training
<input type="radio"/> Tabur, Anthony	anthonyv@ecollege.com	CU Professor	Sales
<input type="radio"/> Test, Andy	andy@realeducation.com	CU Student	Sales
<input type="radio"/> Tom Brown's another day	chris@realeducation.com	CU Student	Sales

1018

1020

Enroll this User in Courses

FIG. 30

20540" 11229001

Administrative Pages - User Status

User Status Set - Microsoft Internet Explorer

Address: <http://gregreal.com/ie/admin/UserStat.html>

Enrollment Information for andy test

School	Current Status	Set New Status	Sales Status	New Comment
Sales	GU Student			Enrolled In GregU - Assigned Role by Real System Admin

1022

1024

1026

School	Semester	Course	Current Status	Set New Status	New Comment
Sales	Demonstration	Unit 101	GU Student		Added to Course via ADD/DRG
GregU	Social Courses	Orientation Course	GU Student		Auto Enroll in Orientation Course (from RS Admin Page)

1028

Update

Fl6.3P

Administrative Pages - Enroll User in another Enrollable Area

Enroll a Student in a New Enrollable Area - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Download

Address http://gregu.realed.com/ie/admin/AssignNewLevel.html

HOME PAGES: Greg University / Sarah Allen / Administrative Pages / User Search / User Select / Enroll a User In Another Level

Enroll a User in Another Enrollable Area

Sarah Allen is currently enrolled in the following area(s): **1030**

- Sales

Step 3: Select the new enrollable area(s)

1032

Test
EdUSA
ID 1000
Quality Assurance

1034

Step 4: Select the user's role in the new area(s)

1036

Step 5 (Optional): Move Sarah Allen into the selected node(s) only - **1038**

☐ Remove Sarah Allen from the currently enrolled area(s). - **1040**

FIG. 3Q

Administrative Pages - Send a Message

Administrative Message Center - Send Message - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Exit

Address <http://gregurealed.com/re/admin/SendMessage.rea?Type=0&47-28779>

Step 4: Review user selection list, compose and send message

1052

	Name	Email Address
<input checked="" type="checkbox"/>	Baker Beth	betnb@ecollege.com
<input checked="" type="checkbox"/>	blink blink	gnriss@ealed.com
<input checked="" type="checkbox"/>	bob bob	rebecca@ealed.com
<input checked="" type="checkbox"/>	bob16 bob16	bob16@ealed.com
<input checked="" type="checkbox"/>	Burns Becky	beckyb@ecollege.com
<input checked="" type="checkbox"/>	Carroll Betty	carrol@ealed.com
<input checked="" type="checkbox"/>	Dobbin Betty	betty@ealed.com
<input checked="" type="checkbox"/>	Dobbin Betty	bettyd@ealed.com
<input checked="" type="checkbox"/>	Feldman Betsy	betsey@heimann.com

From Email Address (required) email (message)

1044

Message Header

1046

Message Text

1048

1050

☒ Send this message as email
☒ Send this message as web page post
☐ Block these users from their colises

Send Message

FIG. 3R

205240" 11229007

Administrative Pages - User Reports

User Reports - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Disconnect

Address http://gregu.realed.com/ie/admin/UserReports.real?RepType=1&47=28779

Administrative Pages

8/18/99 9:44:13 AM Mountain Time

eCollege 1054

HOME PAGES: [Greg University](#) / [Sarah Allen](#) / [Administrative Pages](#) / [User Search](#) / [User Select](#) / [User Reports](#)

User Reports: [Brett Krichliver](#)

[Enrollment Information](#) | [Registration History](#) | [Payment Information](#) | [Log](#) | [Full Detailed Report](#) | [Administrative Login](#)

School	Semester	Course	Status Date	Status	Comment
Greg University			07/21/99	CU Prop	SYSTEM Auto Enroll Basic Orientation
Greg University			02/03/99	CU Student	SYSTEM Auto Enroll Basic Orientation
Greg University	Special Courses	Orientation Course	07/21/99	CU Student	Auto Enroll in Orientation Course (from IRS Admin Pages)
Sales	N/A	N/A	02/03/99	CU Professor	Enroll in GregU Assigned Role as Real System Admin
Sales	Demonstration	CBPOT	02/25/99	CU Student	
Sales	Demonstration	Sales	02/03/99	CU Professor	

* Denotes enrollable area status

1056

FIG. 35

Administrative Pages - Course Reports

Course Reports - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Reload Home Search Favorites History Web

Address http://gregu.zealed.com/re/admin/CourseReports.real

1058

Course Reports

The course enrollment information and the current status of users in the course is listed below. To change a user's status in the course, select it from the 'Set New Status' option and click the 'Update' button at the bottom of the screen.

Quality Assurance Semester - Accredited Buyer Representative

Max Enrollment 25
Current Enrollment 2

Max Waitlist 25
Current Waitlist 7

Current Pending 0
1060

1062

Name	Email Address	Current Status	Set New Status	Set Status Comment
Skudlatczyk, Angel Chrs	chrs@college.com	GU Student		
test test	tes	GU Student		

FIG. 3T

Administrative Pages - University Reports

University Reports - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Import

Address http://gregu.reeled.com/re/admin/UnivReports.rea?ACT=COURSE

Administrative Pages
8/18/99 9:47:34 AM Mountain Time

eCollege

HOME PAGES: [Greg University](#) / [Sarah Allen](#) / [Administrative Pages](#) / [University Reports](#)

University Reports

Course Count per Area | [User Count per Enrollible Area](#) | [Enrollment per Semester](#)

Course Count per Area 1066

Area	Courses
Greg University	5
RealEd	1
EdUSA	8
ID-1000	0
Quality Assurance	10
RealEd Internal Training	89
Sales	126

FIG. 3U

eCS 3.0 - Course Manager

Address: <http://gregu.realed.com/e/CourseManager/CM.real?CourseID=41163&CNodelD=3406&47=28779>

CM AX / 1069

Exit Course Manager

File Upload/Download

BIOL 3611

Unit1

Unit2

Unit Audio

Reading

Assignment

Unit3

Unit4

Unit Audio

Reading

Exam Key

Unit5

Unit6

Unit Audio

Reading

Upcoming Events

Unit7

Unit8

Unit9

Unit10

Unit11

Unit Audio

Reading

Upcoming Events

Study Guide

Unit12

Unit13

Unit14

1069

Unit Title

1072

1074

1076

1070

Click here for Introductory Video (Video)

Course Home Page

Document

Collaboration

Final Class

Gradebook

HelpDesk

Poll Class Procedures

Message Center

Online Chatroom

Student Journal

Student Notebook

Weblog/Reply

Prof Gradebook

ADMIN ONLY

LINKS

Course Manager

BIOL 3611 | Cell Biology

Professor: prof prof

8/10/89 10:17:51 AM Mountain Time

1068

eCollege

HOME PAGES: Greg University / Sarah Allen / BIOL 3611

FIG. 3V

eCS 3.0 - Course Manager

[Home](#)
[2](#)
[3](#)
[4](#)
[5](#)
[6](#)
[7](#)
[8](#)
[9](#)
[10](#)
[11](#)
[12](#)
[13](#)
[14](#)
[15](#)
[16](#)

1082 → 1078

Unit 2 : January 25 - 31

Unit Audio

Unit Two

Reading

This week you will be introduced to simple laws of thermodynamics (CH 5). By the end of Chapter 5, you should be able to calculate the Gibbs free energy change and determine the spontaneity of a reaction.

Chapter 5 - pp 119 - 133

Lecture Notes - chapter 5

Assignment

Calculate: the ΔG° and determine the spontaneity for the following reaction:

[Course Home Page](#)
[Document](#)
[Collaboration](#)
[Email/Class](#)
[GradeBook](#)
[HelpDesk](#)
[Polls/Assignments](#)
[Message Center](#)
[Online Classroom](#)
[Student Journal](#)
[Student Notebook](#)
[Webbboard](#)
[Prof Gradebook](#)

ADMIN ONLY

LINKS

Course Manager

Profile

[CM AX / MP](#)
[Exit Course Manager](#)
[File Upload/Download](#)

[BIOL 3611](#)
[Unit1](#)
[Unit2](#)
[Unit Audio](#)
[Reading](#)
[Assignment](#)
[Unit3](#)
[Unit4](#)
[Unit Audio](#)
[Reading](#)
[Exam Key](#)
[Unit5](#)
[Unit6](#)
[Unit Audio](#)
[Reading](#)
[Upcoming Events](#)
[Unit7](#)
[Unit8](#)
[Unit9](#)
[Unit10](#)
[Unit11](#)
[Unit Audio](#)
[Reading](#)
[Upcoming Events](#)
[Study Guide](#)
[Unit12](#)
[Unit13](#)
[Unit14](#)

FIG. 3W

<http://grcu.realed.com/te/CourseManager/CM.real?CourseID=41163&CModelD=3406&47=28779>

BIOL 3611 | Cell Biology
Professor: prof.nrof

1084 / **1068**

eCollege

Course Manager

File Upload/Download

Exit Course Manager

Unit Audio

Reading Assignment

Unit 1

Unit 2

Unit 3

Unit 4

Unit 5

Unit 6

Unit 7

Unit 8

Unit 9

Unit 10

Unit 11

Unit 12

Unit 13

Unit 14

Unit 15

Unit 16

Description:

This week you will be introduced to simple laws of thermodynamics (CH 5). By the end of Chapter 5, you should be able to calculate the Gibbs free energy change and determine the spontaneity of a reaction.

<p>
Chapter 5 - pp 119 - 133

Lecture Notes - chapter 5

Weblogography
ProGradebook

ADMIN ONLY LINKS
Course Manager

Video (Video)

1070

1092

OK

Cancel

EX 3

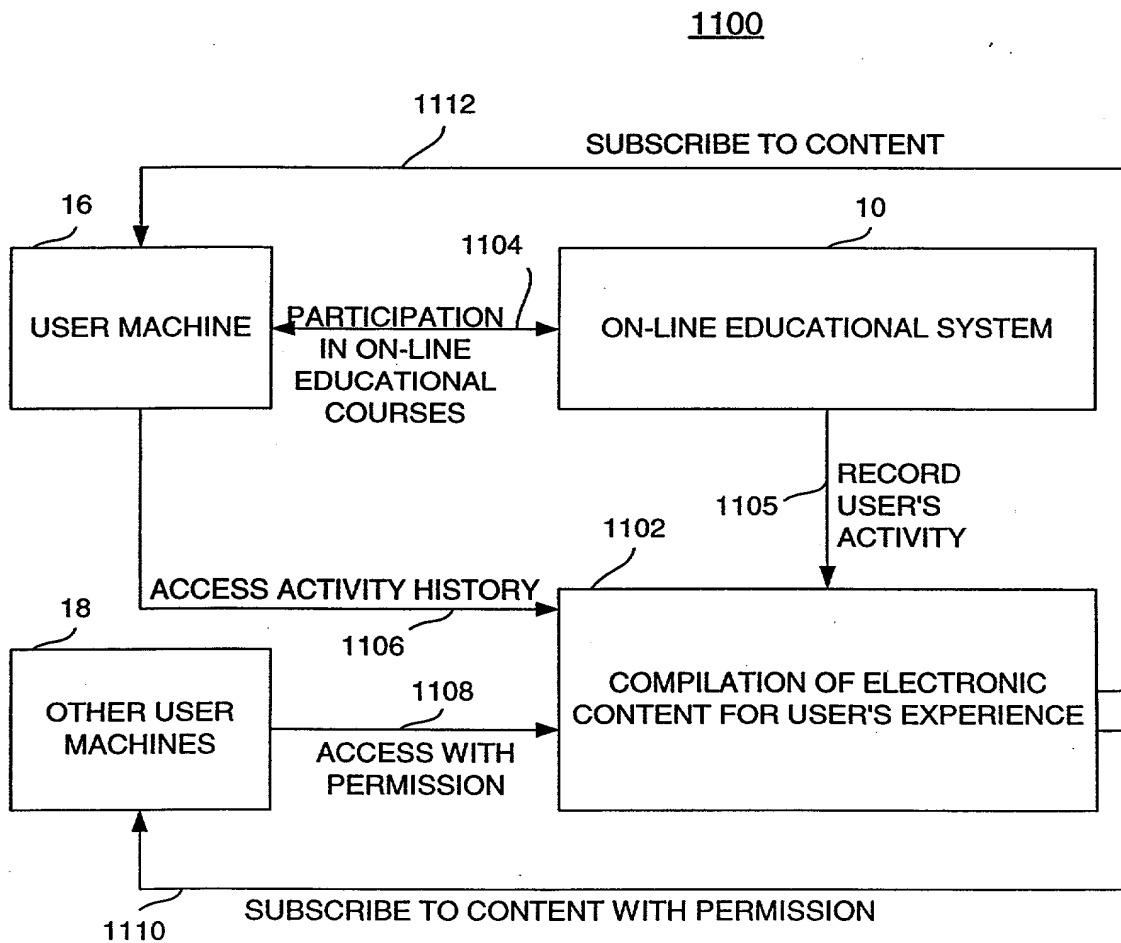


Fig. 4A

205240 41229001

1114 USER X COMPILED CONTENT				
1116	1118	1120	1122	1124
RECORD 1	DATE/TIME STAMP	CATEGORY OF CONTENT	ASSIGN- MENT CONTENT	OTHER CONTENT
⋮	1126	1128	1130	1132
RECORD N	DATE/TIME STAMP	CATEGORY OF CONTENT	ASSIGN- MENT CONTENT	OTHER CONTENT

Fig. 4B

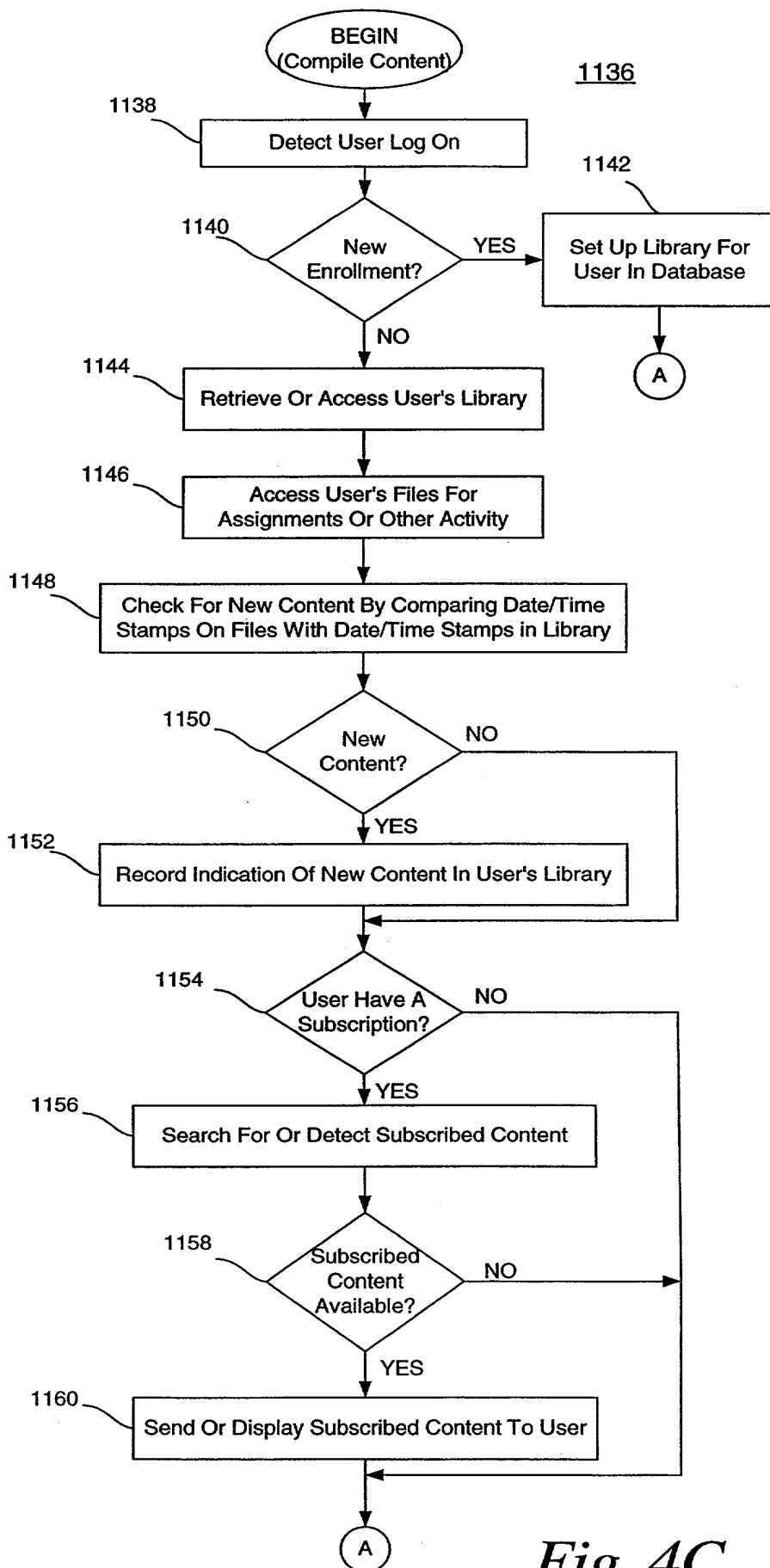


Fig. 4C

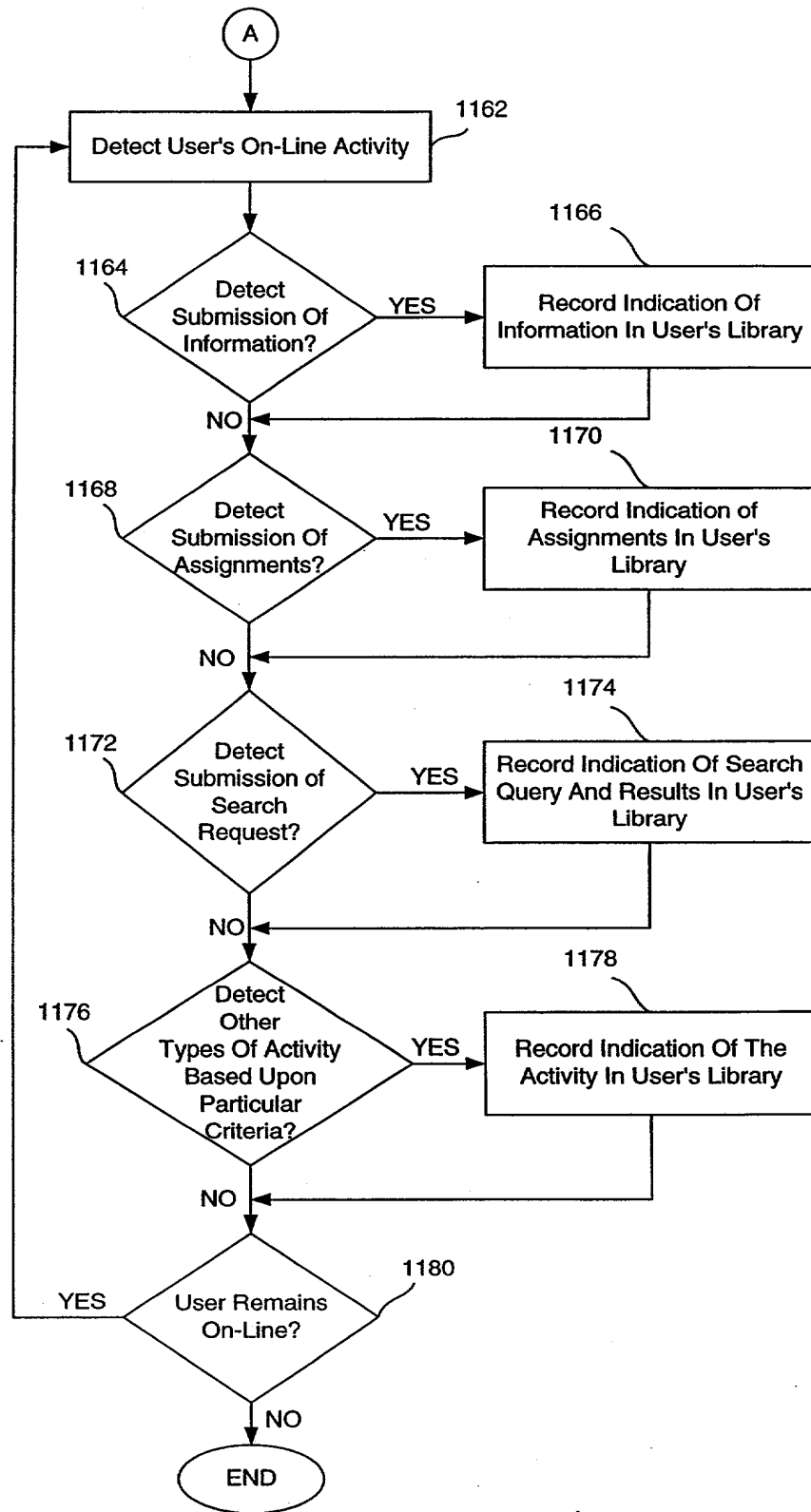


Fig. 4D

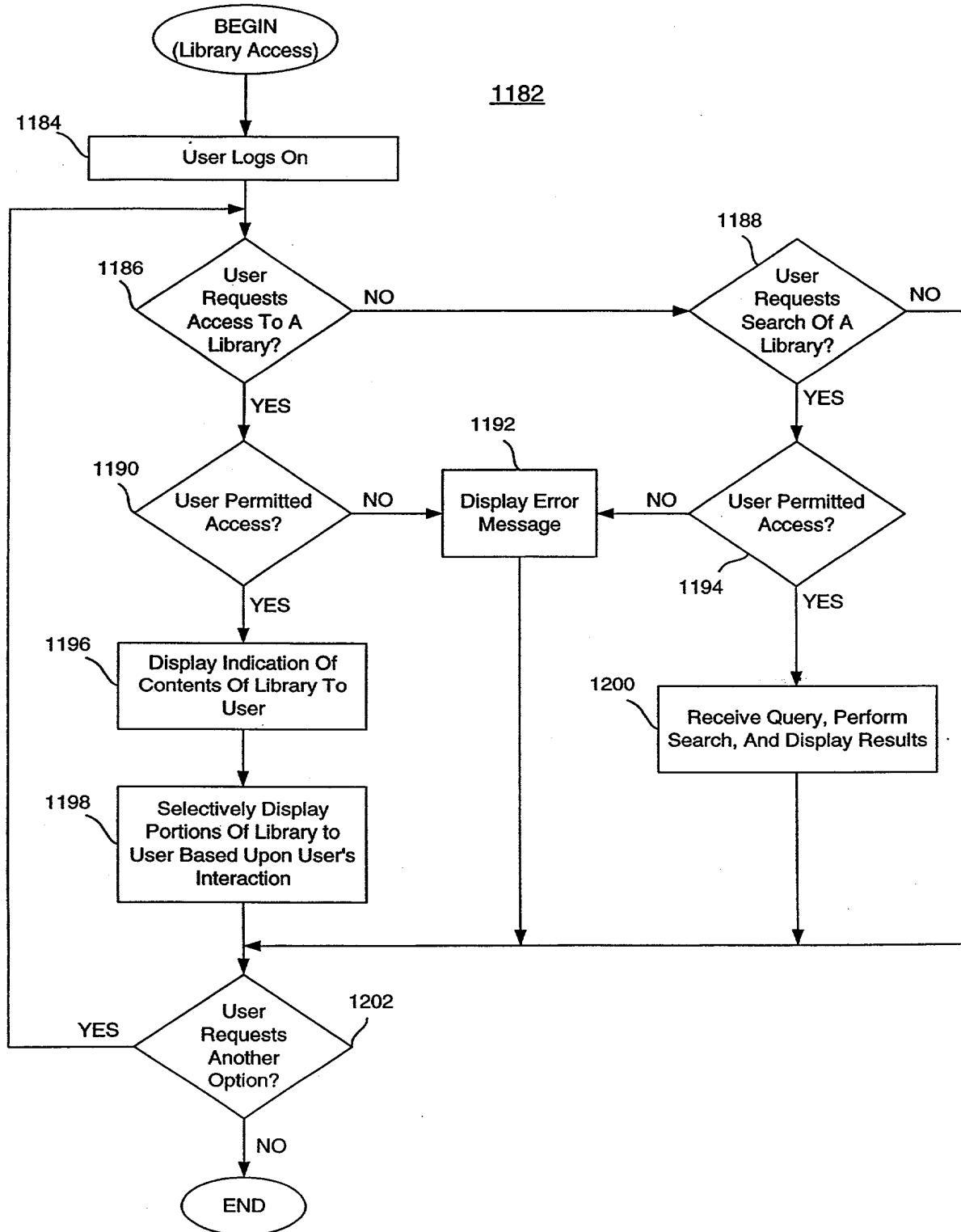


Fig. 4E

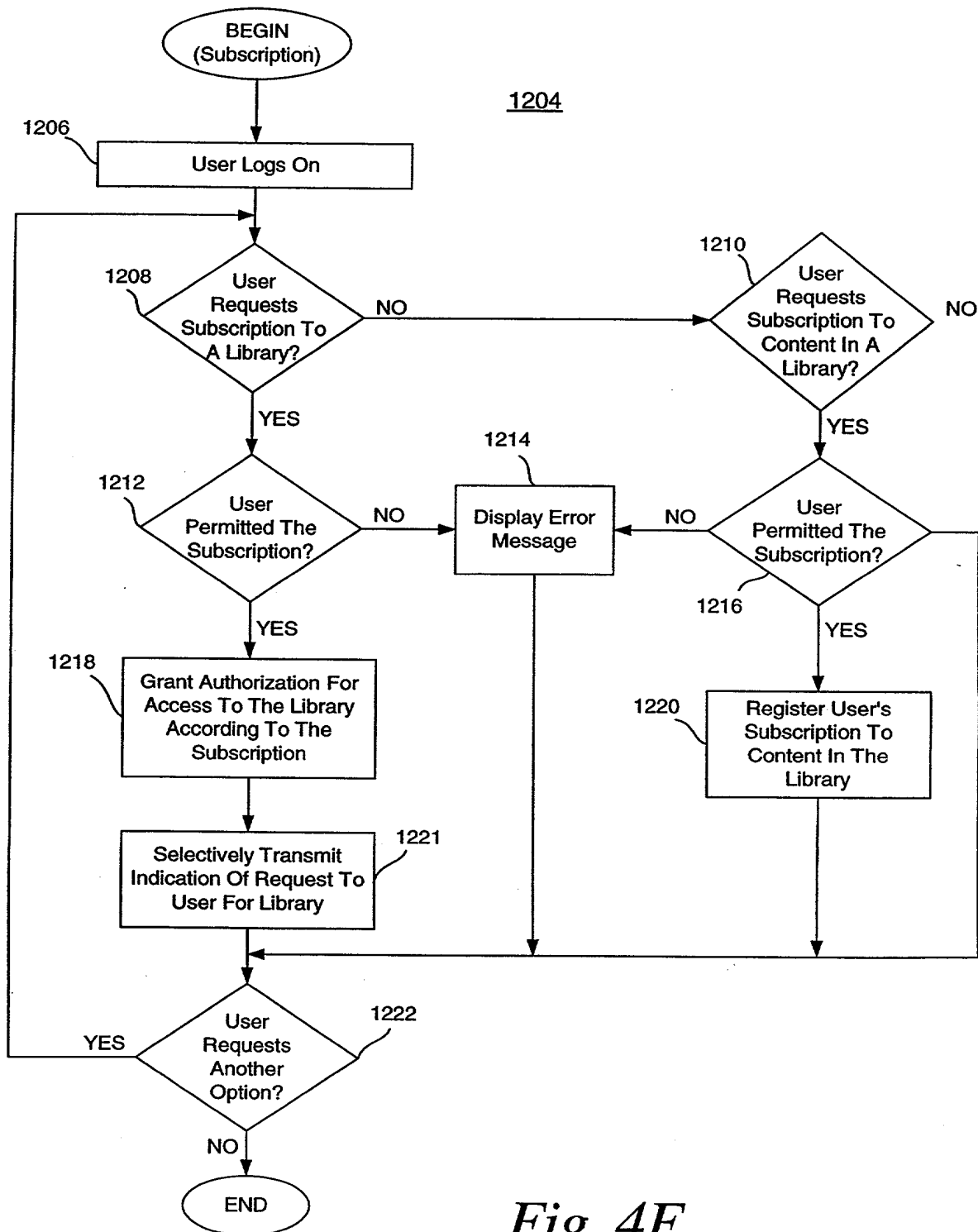


Fig. 4F